ORDER NO. VRD8710M159

Service Manual

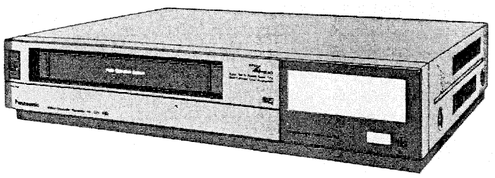
Video Cassette Recorder

Panasonic VHS HQ
PAL

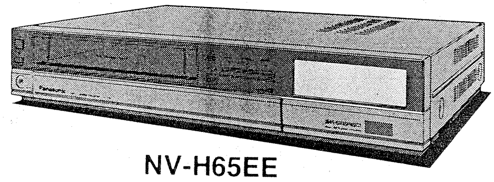
NV-G21EE

Panasonic VHS Hi-Fi HQ
PAL

NV-H65EE



NV-G21EE



NV-H65EE

SPECIFICATIONS

ITEM	SPECIFICATION
POWER	SOURCE: 220V 50/60Hz
	CONSUMPTION: 25 watts (NV-G21EE) 29 watts (NV-H65EE)
RECORDING SYSTEM	2 rotary heads, helical scanning system
	PAL
TV TUNER SYSTEM	VHF I: CH 2~CH 4 (PAL-B) CH 1~CH 5 (SECAM-D) VHF III: CH 5~CH 12 (PAL-B) CH 6~CH 12 (SECAM-D) UHF: CH21~CH69 (PAL-G/SECAM-K)
RF OUT SYSTEM	UHF: CH 36±4 (PAL-G) 73±3dBμ, 75Ω terminated
VIDEO	HEADS: 4 rotary heads 1 pair for recording and play back (L-R heads) 1 pair for video trick play with L′ and R′ heads (field still and fine slow) (NV-G21EE) 3 rotary heads 1 pair for recording and playback (L-R heads) 1 pc. of head for video trick play with L′ head (field still and field show) (NV-H65EE)
	INPUT: VIDEO IN Connector (BNC type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated (NV-H65EE)
	OUTPUT: VIDEO OUT Connector (BNC type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21pin) 1.0Vp-p, 75Ω terminated (NV-H65EE)
AUDIO	HEAD: 1 stationary head 2 rotary heads (NV-H65EE)
	INPUT: AUDIO IN Connector (Phono type) More than −10 dBV (316 mV), more than 50kΩ EURO AV Connector (21pin) More than −10 dBV (316 mV), more than 10kΩ (NV-H65EE)
	OUTPUT: AUDIO OUT Connector (Phono type) −8 dBV (400 mV), less than 1 kΩ EURO AV Connector (21 pin) −8 dBV (400 mV), Less than 1kΩ (NV-H65EE)
TAPE FORMAT	VHS Cassette Tape (Tape width 12.7 mm)
TAPE SPEED	23.39 mm/s Record/Playback Time: 4 hours with 240 min. type tape FF/REW Time: 5.5 min. with 180 min. type tape
DIMENSIONS	380 (W) × 82 (H) × 342 (D) mm (NV-G21EE) 430 (W) × 82 (H) × 352 (D) mm (NV-H65EE)
WEIGHT	5.1 kg (NV-G21EE) 6.0 kg (NV-H65EE)
STANDARD ACCESSORIES	1 PC. DIN-RF Cable 1 PC. Wireless Remote Controler 1 PC. Digital Scanner (NV-G21EE) 1 PC. Programme Sheet (NV-G21EE) 1 PC. AC Cord (NV-G21EE) 2 PCS. Audio Cables (NV-H65EE)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service the VHS Cassette Recorder Model NV-G21EE, NV-H65EE.
This service manual is based on NV-H21EG/B/EO/EV, H65EG/B/EO/EV.
Therefore please refer to the descriptions which are shown in NV-G21EG/B/EO/EV service manual Order No. VRD8701104 and NV-H65EG/B/EO/EV serivce manual, Order No. VRD8610143.

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1-1. COMPARISON CHART (NV-G21EE)

This chart is described different part from the basic model NV-G21EG to the new model NV-G21EE.

> **Notes: 1. IMPORTANT SAFETY NOTICE**
> **Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.**

Mechanical Replacement Part (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-G21EG (K) Part No.	NV-G21EE Part No.	Pcs/Set	Part Name & Description	Remarks
6 (1)	VEG0479	VEG0595	1	CYLINDER UNIT	(C) ⚠●
300 (4)	VYP1891	VYP1895	1	TOP PANEL UNIT	(C)
301 (4)	VHD0304	VHD0304	4→2	TOP PANEL SCREW	(C)
304 (4)	VMP1125	—	1→0	TOP HOLDER ANGLE	(D)
327 (4)	VMP1037	VMP1037	2→1	TOP HOLDER ANGLE (L)	(C)
334 (4)	VYP1879	VYP2185	1	FRONT PANEL UNIT	(C)
335 (4)	VYF1025	VYF1035	1	FRONT DOOR UNIT	(C)
337 (4)	VHD0059	VHD0059	7→5	BOTTOM SCREW	(C)
339 (4)	VMZ1005	—	1→0	BARRIER	(D)
400 (5)	VQT2203	VQT2528	1	OPERATING INSTRUCTIONS (ENGLISH/GERMAN/FRENCH)	(C) ⚠
		VQT2529	1	OPERATING INSTRUCTIOS (RUSSIAN/POLISH)	(C) ⚠
403 (5)	VEQ0534	VEQ0539	1	REMOTE CONTROL UNIT	(C)
406 (5)	VPG3309	VPG3830	1	PACKING CASE	(C)
408 (5)	VJA0391	VJA0449	1	AC CORD	(C)
409 (5)	VEQ0549	VEQ0639	1	DIGITAL SCANNER	(C)
410 (5)	VQC1010	VQC1124	1	PROGRAMME SHEET	(C)
411 (5)	VQT2237	VQT2538	1	OPERATING INSTRUCTIONS (DIGITAL SCANNER)	(C) ⚠
450 (6)	VYK1589	VYK1596	1	TOP CASE UNIT	(C)
454 (6)	VSP0426	VSP0247	1	RUBBER CONTACT	(C)
470 (7)	VYK1628	VYK1886	1	CASE (A) UNIT	(C)
470 (7)	VYK1626	VYK1810	1	CASE (B) UNIT	(C)
471 (7)	VGU3710	VGU4040	1	TRANSMISSION BUTTON	(C)
473 (7)	VJR0270	VJR0395	1	ELECTRODE (A)	(C)
474 (7)	VJR0271	VJR0396	1	ELECTRODE (B)	(C)
479 (7)	VSQ0533	VSQ0567	1	SENSOR UNIT	(C)

Electrical Replacement Parts (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-G21EG Part No.	NV-G21EE Part No.	Pcs/Set	Part Name & Description	Remarks
	VEP03440A	VEP03440F −	1	MAIN C.B.A.	(C) ⚠
	VEP03430A	VEP03432B −	1	INPUT SELECT PACK C.B.A.	(C)
	VEP03431A	—	1→0	SUB INPUT SELECT PACK C.B.A	(D)
	VEP06409A	VEP06409C −	1	OPERATION C.B.A	(C)
	VEP07394A	VEP07394C −	1	TIMER C.B.A.	(C)
	VEP07374A	VEP07445A −	1	TV DEMODULARTOR PACK C.B.A.	(C)
	VEP07375A	VEP07446A −	1	TUNER ARU PACK C.B.A	(C)
	—	VEP07447A −	0→1	DECODER PACK C.B.A.	(A)
	VEP01264H	VEP01264J +	1	POWER C.B.A.	(C) ⚠
	VEP07395A	VEP07395C −	1	CHANNEL SELECT C.B.A.	(C)
	VEP07368C	—	1→0	VPS C.B.A.	(D)
	VEP05097E	VEP05106B −	1	HEAD AMP PACK C.B.A.	(C)
	VEP00H22A	VEP00K26A −	1	CYLINDER DRIVE C.B.A.	(C)
	VEP00H30A	VEP00J52A +	1	MECHANISM CONNECTION C.B.A.	

Electrical Replacement Parts (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-G21EG Part No.	NV-G21EE Part No.	Pcs/Set	Part Name & Description	Remarks
	VEP66019D	VEP66033C	1	DIGITAL SCANNER C.B.A.	(C)
	ENC87956	ENC87959	1	RF CONVERTER	(C)
	TNV57470F1	TVN79461F2	1	TUNER	(C)
	VEP03440F	MAIN C.B.A.			
	VEP03430A	VEP03432A	1	INPUT SELECT PACK C.B.A.	(C)
	VEP03431A	—	1→0	SUB INPUT SELECT PACK C.B.A.	(D)
	VEP07374A	VEP07445A	1	TV DEMODULATOR PACK C.B.A.	(C)
	VEP07375A	VEP07446A	1	TUNER ARU PACK C.B.A.	(C)
	—	VEP07447A	0→1	DECODER PACK C.B.A.	(A)
C3014	ECQB1H103JH	—	1→0		(D)
C3016	—	ECCW1H100DC	0→1	C.CAPACITOR 50V 10P	(A)
C3506	ECKF1H221KB	—	1→0		(D)
C3507	ECQB1H333JH	—	1→0		(D)
C3508	ECKF1H102KB	—	1→0		(D)
C3509	ECEA0JU331	—	1→0		(D)
C4019	—	ECQBIH333KH	0→1	MYLAR 50V 0.033μ	(A)
C4026	—	ECCF2H121K	0→1	CERAMIC 500V 120P	(A)
C6026	—	ECQB1H103JH	0→1	MYLAR 50V 0.01μ	(A)
C6030	ECEA1CK101	—	1→0		(D)
D6032	MA165	—	1→0		(D)
D6033	MA165	—	1→0		(D)
FL3501	ELB4H020	—	1→0		(D)
IC6001	MNI15362VJR	MNI15362VBR	1	IC	(C)
L3503	VLQEL05F1R0K	—	1→0		(D)
L3504	VLQEL06F471K	—	1→0		(D)
LR3505	VLQEL05F2R7	—	1→0		(D)
Q2001	2SB641	2SA1309	1	TRANSISTOR	(C)
Q2002	2SD636	2SC3311	1	TRANSISTOR	(C)
Q3001	2SB641	2SA1309	1	TRANSISTOR	(C)
Q3003	2SC2206	2SC3314	1	TRANSISTOR	(C)
Q3502	2SB641	—	1→0		(D)
Q4001	2SD639	2SC1423A	1	TRANSISTOR (R)	(C)
Q4002	2SD637	2SC3311A	1	TRANSISTOR	(C)
Q4003	2SD637	2SC3311A	1	TRANSISTOR	(C)
Q4004	2SB642	2SA1309A	1	TRANSISTOR	(C)
Q6007	2SB790	2SA1512	1	TRANSISTOR	(C)
Q6009	2SB790	2SA1512	1	TRANSISTOR	(C)
Q6016	2SD1275	2SD1275P	1	TRANSISTOR	(C)
Q6018	2SD973	2SD592	1	TRANSISTOR	(C)
Q6020	2SC1384	—	1→0		(D)
Q6021	2SC1384	—	1→0		(D)
Q6199	—	2SC3311	0→1	TRANSISTOR	(A)
Q8001	2SD636	2SC3311	1	TRANSISTOR	(C)
QR2002	UN1212	UN4212	1	TRANSISTOR-RESISTOR	(C)
QR2003	UN1213	UN4213	1	TRANSISTOR-RESISTOR	(C)
QR3001	UN1111	UN4111	1	TRANSISTOR-RESISTOR	(C)
QR3002	UN1213	UN4213	1	TRANSISTOR-RESISTOR	(C)
QR3003	UN1212	UN4212	1	TRANSISTOR-RESISTOR	(C)
QR6001	UN1212	UN4212	1	TRANSISTOR-RESISTOR	(C)
QR6002	UN1211	—	1→0		(D)
QR6004	UN1213	UN4213	1	TRANSISTOR-RESISTOR	(C)
QR6006	UN1111	UN4111	1	TRANSISTOR-RESISTOR	(C)
QR6008	UN1111	UN4111	1	TRANSISTOR-RESISTOR	(C)
QR6011	UN1212	UN4212	1	TRANSISTOR-RESISTOR	(C)
QR6012	UN1113	UN4113	1	TRANSISTOR-RESISTOR	(C)

Electrical Replacement Parts (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-G21EG Part No.	NV-G21EE Part No.	Pcs/Set	Part Name & Description	Remarks
QR6013	UN1213	UN4213	1	TRANSISTOR-RESISTOR	(C)
QR6014	UN1211	UN4211	1	TRANSISTOR-RESISTOR 1/16W	(C)
R3023	—	ERJ6GMYJ102	0→1	1/16W 1K	(A)
R3511	—	ERDS2TJ750	0→1	CARBON 1/4W 75	(A)
R3512	ERDS2TJ750	—	1→0		(D)
R3513	ERDS2TJ101	—	1→0		(D)
R3514	ERDS2TJ242	—	1→0		(D)
R3516	ERDS2TJ242	—	1→0		(D)
R3517	ERDSTJ471	—	1→0		(D)
R4023	ERJ6GMYJ333	ERJ6GMYJ273	1	CHIP 1/16W 27K	(C)
R6073	ERJ6GMYJ391	ERJ6GMYJ271	1	CHIP 1/16W 270	(C)
R6074	ERJ6GMYJ561	ERJ6GMYJ121	1	CHIP 1/16W 120	(C)
R6097	ERJ6GMYJ152	—	1→0		(D)
R6098	ERJ6GMYJ152	—	1→0		(D)
R6099	EDRS2TJ103	—	1→0		(D)
R6199	—	ERJ6GMYJ473	0→1	CHIP 1/16W 47K	(A)
SW3502	ESD3228	—	1→0		(D)
	VEP06409C	OPERATION C.B.A.			
D6201	LN81RCPHL	LN28RCPP	1	LED	(C)
R6201	ERJ6GMYJ471	ERJ6GMYJ181	1	CHIP 1/16W 180	(C)
SW6204	—	ESD14314	0→1	SWITCH	(A)
	VEP07394C	TIMER C.B.A.			
D7527	MA165	—	1→0		(D)
D7528	MA165	—	1→0		(D)
QR7501	UN1113	UN4113	1	TRANSISTOR-RESISTOR	(C)
QR7502	UN1213	UN4213	1	TRANSISTOR-RESISTOR	(C)
QR7503	UN1112	UN4112	1	TRANSISTOR-RESISTOR	(C)
	VEP07395C	CH SELECT C.B.A.			
C7567	ECKF1H103ZF	—	1→0		(D)
C7575	—	ELEA1CK101	0→1	ELECTROLYTIC 16V 100μ	(A)
D7561	—	MA165	0→1	DIODE	(A)
IC7551	AN5034	AN5033	1	IC	(C)
QR7553	UN1112	—	1→0		(D)
QR7554	UN1112	—	1→0		(D)
QR7555	UN1213	—	1→0		(D)
QR7561	UN1213	—	1→0		(D)
R7563	ERDS2TJ332	—	1→0		(D)
R7566	—	ERDS2TJ334	0→1	CARBON 1/4W 330K	(A)
R7567	—	ERDS2TJ104	0→1	CARBON 1/4W 100K	(A)
R7570	ERDS2TJ103	—	1→0		(D)
R7584	ERDS2TJ393	ERDS2TJ184	1	CARBON 1/4W 180K	(C)
R7586	ERDS2TJ563	ERDS2TJ474	1	CARBON 1/4W 470K	(C)
R7597	—	ERDS2TJ101	0→1	CARBON 1/4W 100	(A)
R7599	ERDS2TJ103	—	1→0		(D)
	VEP01264J	POWER C.B.A.			
R1029	—	ERC12GM334	0→1	S.RESISTOR 1/2W 330K	(A)

1-2. COMPARISON CHART (NV-H65EE)

This chart is described different part from the basic model NV-H65EG to the new model NV-H65EG.

Notes: 1. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Mechanical Replacement Part **(A).. Added, (C).. Changed, (D).. Deleted**

Ref. No.	NV-H65EG (BLACK) Part No.	NV-H65EE Part No.	Pcs/Set	Part Name & Description	Remarks
1 (1)	VHD0268	VHD0141	2	HEAD AMP SET SCREW	(C)
6 (1)	VEG0471	VEG0557	1	CYLINDER UNIT	(C) ⚠
10 (1)	VSC1806	VSC2188	1	CYLINDER C.B.A. SHIELD PLATE	(C)
34 (1)	VBR0102	VBR0125	1	A/C HEAD	(C)
305 (4)	VJH0417	VJH0418	1	RF & ANT. BOARD	(C)
312 (4)	VJA0391	VJA0449	1	AC CORD	(C) ⚠
314 (4)	VSC1827	VSC2178	1	SHIELD CASE (L)	(C)
315 (4)	VMZ0902	VMZ1083	1	BARRIER (A)	(C)
316 (4)	VMZ0916	VMZ1084	1	BARRIER (B)	(C)
320 (4)	VMZ0876	VMZ1089	1	INSULATION SHEET	(C)
322 (4)	VMZ0917	VMZ1085	1	BARRIER (C)	(C)
323 (4)	VMZ0918	VMZ1086	1	BARRIER (D)	(C)
332 (4)	VGP1489	VYP1813	1	SUPPORT PANEL (R) UNIT	(C)
334 (4)	VYP1792	VYP2104	1	FRONT PANEL UNIT	(C)
335 (4)	VYF0959	VYF0963	1	FRONT DOOR UNIT	(C)
400 (5)	VQT2069	VQT2493	1	OPERATING INSTRUCTIONS (ENGLISH/GERMAN/FRENCH)	(C) ⚠
400 (5)	VQT2069	VQT2494	1	OPERATING INSTRUCTIONS (RUSSIAN/POLISH)	(C) ⚠
403 (5)	VEQ0498	VEQ0499	1	REMOTE CONTROL UNIT	(C)
406 (5)	VPG3057	VPG3782	1	PACKING CASE	(C)
450 (6)	VYK1442	VYK1441	1	TOP CASE UNIT	(C)
454 (6)	VJR0246	VJR0247	1	RUBBER CONTACT	(C)
	—	VPK0668	0→1	ACCESSORIES CUSHION	(A)
	—	VPN1822	0→1	ACCESSORIES PACKING CASE	(A)

Electrical Replacement Parts (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-H65EG Part No.	NV-H65EE Part No.	Pcs/Set	Part Name & Description	Remarks
	VEP03390A	VEP03390J	1	MAIN C.B.A.	(C) ⚠
	VEP04173A	VEP04173B	1	INPUT SELECT PACK C.B.A.	(C)
	VEP07362A	VEP07362B	1	CHANNEL SELECT PACK C.B.A.	(C)
	VEP06382A	VEP06382D	1	OPERATION C.B.A	(C)
	VEP07378A	VEP07378C	1	TIMER C.B.A.	(C)
	VEP00H51B	VEP00H51N	1	INTERFACE (DEMODU UNIT) C.B.A.	(C)
	VEP07357A	VEP07445A	1	DEMODULATOR PACK C.B.A.	(C)
	VEP07358A	VEP07446A	1	TUNER/ARU PACK C.B.A.	(C)
	VEP05359A	VEP07447A	1	DECODER C.B.A.	(C)
	VEP01264A	VEP01264D	1	POWER C.B.A.	(C) ⚠
	VEP00H69A	VEP00H69B	1	HEADPHONE C.B.A.	(C)
	ENC87956	ENC87959	1	RF CONVERTER	(C) ⚠
	VEP00H22A	VEP00K62A	1	CYLINDER DRIVE C.B.A.	(C)
	VEP00H34A	VEP00K27A	1	PHOTO TR(T) C.B.A.	(C)
	TVN57470F1	TNV79461F2	1	TUNER	(C) ⚠
	VEP00H30A	VEP00J52A	1	MECHANISM CONNECTION C.B.A.	(C) (A)
	VEP03390J	MAIN C.B.A.			
	VEP04173A	VEP04173B	1	INPUT SELECT PACK C.B.A.	(C)
	VEP07362A	VEP07362B	1	CHANNEL SELECT PACK C.B.A.	(C)
C1104	ELEA1CK101	—	1→0		(D)
C4573	—	ECCR1H101JL	0→1	CERAMIC 50V 100P	(A)
C4905	—	ECKF1H222KB	0→1	CERAMIC 50V 2200P	(A)
C4906	—	ECKF1H222KB	0→1	CERAMIC 50V 2200P	(A)
C4907	ECQB1H183JH	—	1→0		(D)
C4908	ECQB1H183JH	—	1→0		(D)
C4909	ECQB1H682JH	—	1→0		(D)
C4910	ECQB1H682JH	—	1→0		(D)
C4911	—	ECKF1HK101KB	0→1	CERAMIC 50V 100P	(A)
C4912	—	ECKF1HK101KB	0→1	CERAMIC 50V 100P	(A)
C4913	ECQB1H682JH	—	1→0		(D)
C4914	ECQB1H682JH	—	1→0		(D)
C4915	ECQB1H183JH	—	1→0		(D)
C4916	ECQB1H183JH	—	1→0		(D)
C7567	ECKF1H103ZF	—	1→0		(D)
D1103	MA165	—	1→0		(D)
IC7551	AN5034	AN5033	1	IC	(C)
L4901	VLQEL05F102K	—	1→0		(D)
L4902	VLQEL05F102K	—	1→0		(D)
L4903	VLQEL05F102K	—	1→0		(D)
L4904	VLQEL05F102K	—	1→0		(D)
Q1102	2SC1384	—	1→0		(D)
Q1103	2SC1384	—	1→0		(D)
QR1102	UN1211	—	1→0		(D)
QR7553	UN1112	—	1→0		(D)
QR7554	UN1112	—	1→0		(D)
QR7555	UN1213	—	1→0		(D)
QR7561	UN1213	—	1→0		(D)
R1102	ERDS2TJ152	—	1→0		(D)
R1103	ERDS2TJ152	—	1→0		(D)
R1104	ERDS2TJ103	ERDS2T0T	1		(C)
R4906	—	ERDS2TJ471	0→1	CARBON 1/4W 470	(A)
R4907	—	ERDS2TJ471	0→1	CARBON 1/4W 470	(A)
R4908	ERDS2TJ471	—	1→0		(D)
R4909	ERDS2TJ471	—	1→0		(D)
R4914	—	ERDS2TJ471	0→1	CARBON 1/4W 470	(A)
R4915	—	ERDS2TJ471	0→1	CARBON 1/4W 470	(A)

Electrical Replacement Parts (A).. Added, (C).. Changed, (D).. Deleted

Ref. No.	NV-H65EG Part No.	NV-H65EE Part No.	Pcs/Set	Part Name & Description	Remarks
R4916	ERDS2TJ471	—	1→0		(D)
R4917	ERDS2TJ471	—	1→0		(D)
R7563	ERDS2TJ332	—	1→0		(D)
R7566	—	ERDS2TJ334	0→1	CARBON 1/4W 330K	(A)
R7567	—	ERDS2TJ104	0→1	CARBON 1/4W 100K	(A)
R7570	ERDS2TJ103	—	1→0		(D)
R7599	ERDS2TJ103	—	1→0		(D)
S3903	VSS0196	—	1→0		(D)
	VEP06382D	OPERATION C.B.A.			
C6501	ECQBIH223KH	—	1→0		(D)
C6502	ECQB1H223KH	—	1→0		(D)
D6507	MA165	—	1→0		(D)
L6501	VLQEL05F121K	—	1→0		(D)
L6502	VLQEL05F121K	—	1→0		(D)
R6507	ERDS2TJ222	—	1→0		(D)
SW6506	—	ESD14314	0→1	SWITCH	(A)
	VEP00H51N	INTERFACE (DEMODU UNIT) C.B.A.			
C704	—	ECEA1HK010	0→1	ELECTROLYTIC 50V 1μ	(A)
	VEP01264D	POWER C.B.A.			
R1015	ERQ12HJ1R0P	ERQ12HKR68P	1	FUSE 1/2W 0.68	(C)
R1016	ERQ12HJ6R8	ERX3SJ5R6	1	METAL OXIDE 3W 5.6	(C)
	VEP00H69B	HEADPHONE C.B.A.			
C6302	ECQB1H103KH	—	1→0		(D)
C6305	ECQB1H103KH	—	1→0		(D)
L6301	VLQEL05F471K	—	1→0		(D)
L6303	VLQEL05F471K	—	1→0		(D)

2. ADJUSTMENT PROCEDURES (TV DEMODULATOR AND DECODER SECTION)

Since different models, such as NV-G21EE/NV-H65EE are combined into one procedure, pay attention not to adjust different specifications.

2-1. TEST EQUIPMENTS

To make adjustment completely, following equipments are required.

1. VIF SWEEP GENERATOR with the Trap Adjustor
   ....38.0MHz
2. SIF SWEEP GENERATOR
   ....5.5MHz +- 150KHz
   ....6.5MHz +- 150KHz
3. CW OSCILLATOR
   ....38.0MHz +- 100KHz
4. MONITOR SCOPE
5. OSCILLOSCOPE
6. DIGITAL VOLT METER
7. TUNING AMPLIFIER
8. MULTI VOICE MODULATOR (M.V.M)

NOTE:

1) Demodulator Unit Setting

To make this adjustment, set the Demodurator Unit as shown in Fig. E1.

First, remove the Demodulator Unit (Tuner, RF Converter, TV Demodulator C.B.A , Tuner ARU C.B.A, and Decodar C.B.A.) from the Main C.B.A. Then, connect the TV Demodulator Pack pin to solder the same portions of the Main C.B.A by lead jumper.

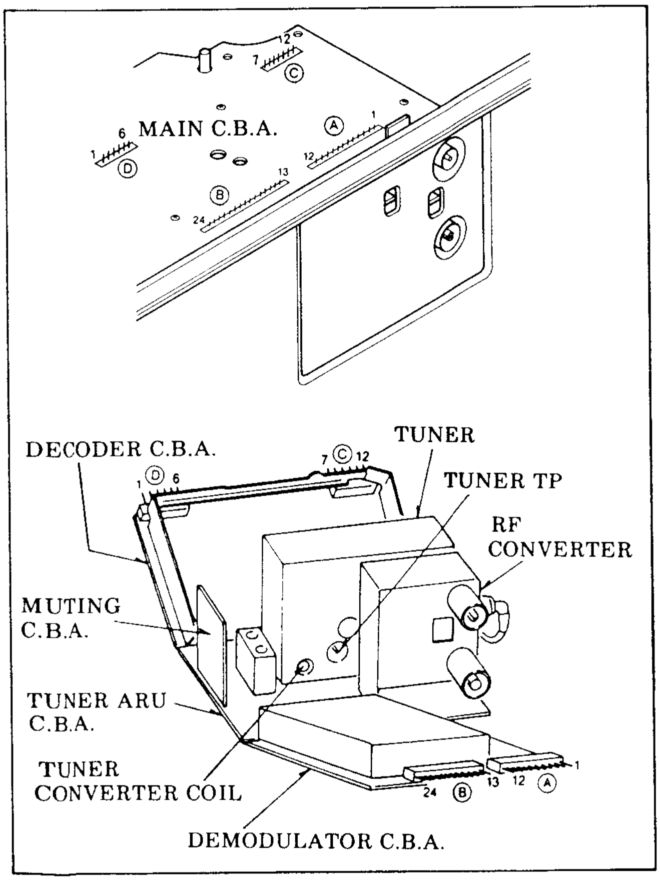
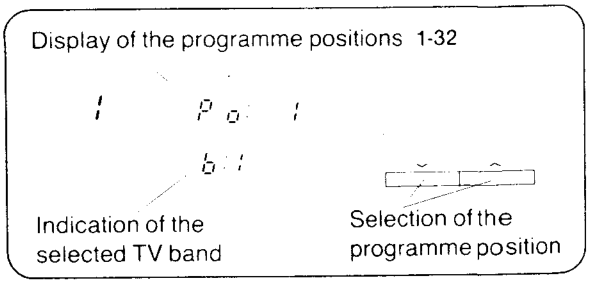

MAIN C.B.A.
Ⓐ
Ⓑ
Ⓒ
Ⓓ
12
7
6
1
13
24
DECODER C.B.A.
TUNER
TUNER TP
RF CONVERTER
MUTING C.B.A.
TUNER ARU C.B.A.
TUNER CONVERTER COIL
DEMODULATOR C.B.A.

Fig . E1

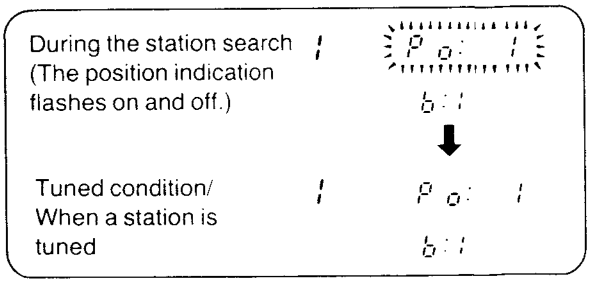
2) AFC ON-OFF

When you make AFC ON or OFF condition, set the VTR as follows.

(1) Press the PRESET/NORMAL button.
The indication on the Multi-Function Display changes from the clock indication to the position indication.
(2) Press the Channel Up or Down button to select a programme position (channel) which you want to tune to a TV station.
(3) Press the BAND/AFC button to select the "I", "III" or "U" position.


Display of the programme positions 1-32
I P o 1
b 1
Indication of the selected TV band
Selection of the programme position

(4) Press the SEARCH (+) or (−) button until the picture of the desired station on your TV is satisfactory.
* If the Search (+) or (−) button is pressed while pressing the Quick Button, the stations will change quickly.


During the station search
(The position indication flashes on and off.)
I P o 1
b 1
Tuned condition/
When a station is tuned
I P o 1
b 1

(5) Press the PRESET/NORMAL button again.
The indication on the Multi-Function Display changes to the clock indication.
Now AFC is "ON" condition.
(6) Press the FINE TUNING (+) or (-) button in a moment.

Now AFC is "OFF" condition.
(7) Press the BAND/AFC button.
Now AFC is "ON" condition again.

2-2. VIF SWEEP ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP707	T703, TUNER CONVERTER COIL		VIF SWEEP
TAPE	**M. EQ.**	**SPEC.**	
	VIF SWEEP/ MONITOR SCOPE	Refer to VIF Specification chart.	

1. Set the BAND SW for VHF position (III) and set the DC power supply for 15V and suplly it to BT Terminal of the Tuner after removing TV Demodulator C.B.A −(9) to cut off the BT voltage from IC7551−(2).
2. Set the AFC OFF condition.
3. Connect a jumper wire between AGC Terminal of the Tuner and GND.
4. Connect a capasitor (50V/1 uF) between TP703 and GND.
5. Connect the VIF sweep generator to the Tuner Test Point and connect the monitor scope to TP707 as shown in Fig. E2.
   (Marker Frequency of VIF Sweep waveform is shown in Fig. E3)

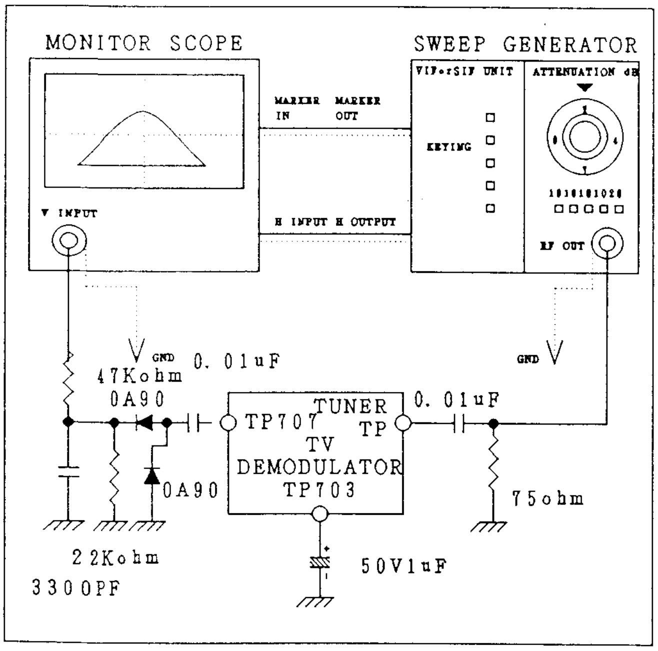

MONITOR SCOPE
SWEEP GENERATOR
VIF•rSIF UNIT
ATTENUATION dB
MARKER IN
MARKER OUT
KEYING
V INPUT
H INPUT
H OUTPUT
RF OUT
GND
GND
0. 01uF
47Kohm
0A90
TP707
TUNER TP
TV DEMODULATOR
TP703
0. 01uF
0A90
75ohm
22Kohm
3300PF
50V1uF

Fig. E2

MARKER FREQUENCY	fs'	39.5MHz
	fp	38.0MHz
	f1	36.8MHz
	f2	35.03MHz
	fc	33.57MHz
	f3	32.82MHz
	fs	32.5/31.5MHz
	fp'	31.0/30.0MHz

Fig. E3

6. Adjust T703 so that the VCO beat is placed to centre of P1 and P2 mackers on the output waveform as shown in Fig. E4.

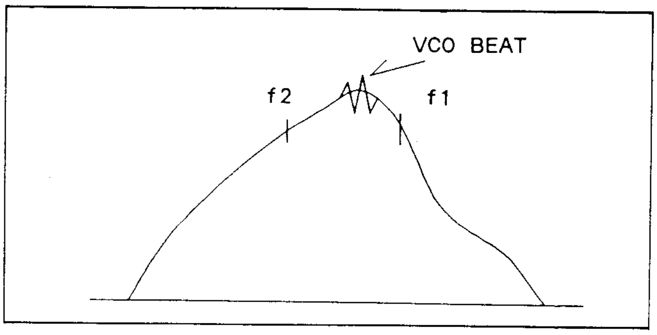

VCO BEAT
f2
f1

Fig. E4

7. Adjust the VIF sweep generator so that the output sweep waveform level becomes 0.3Vp−p on the monitor scope.
   Then release the attenuator of the VIF sweep generator for 20dB.
8. Connect the Adjustment Jig as shown in Fig. E19, then adjust VR of Adjustment Jig so that the output sweep waveform level becomes 0.3Vp−p on the monitor scope.

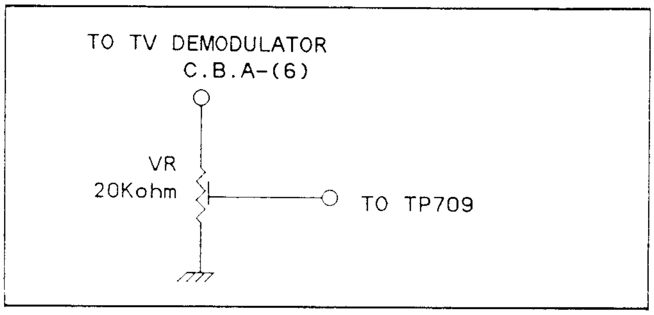
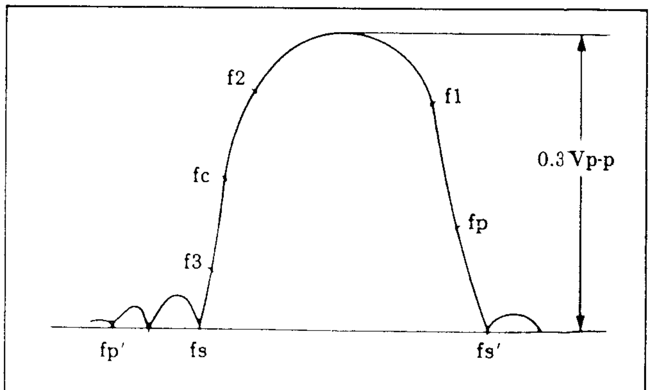

TO TV DEMODULATOR
C.B.A-(6)
VR
20Kohm
TO TP709

Fig. E5

9. Adjust the Tuner Converter Coil so that the waveform becomes as follows.


f2
f1
fc
0.3Vp-p
fp
f3
fp'
fs
fs'

VIF WAVEFORM

SPECIFICATIONS	fp	30± 5%
	f1	80±20%
	f2	80±20%
	fc	25∼45%

Fig. E6

2-3. VCO ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP704	T703		
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER/ TUNING AMPLIFIER	38.0MHz±10kHz	

1. Connect a Resistor (1Kohm) between TP709 and GND.
2. Connect the frequency counter to TP704 through the tuning amplifier.
3. Adjust T703 so that the reading of frequency counter is 38.0MHz +- 10KHz.

2-4. AFC ADJUSTMENT

TP	ADJ.	MODE	INPUT
AFC TERMINAL OF THE TUNER	T704		CW SIGNAL (1Vrms)
TAPE	**M. EQ.**	**SPEC.**	
	CW OSCILLATOR/ D.V.M.	A=38.0MHz	

1. Set the BAND SW for the VHF position (III) and set the DC power supply for 15 +- 1V and supply it to BT Terminal of the Tuner after removing TV Demodulator C.B.A-(9) to cut of the BT voltage from IC7551-(2).
2. Set the CW oscillator output for "A" MHz and 1Vrms. Connect the CW oscillator output to the Tuner Test Point.
3. Connect the D.V.M. to the AFC terminal of the tuner.
4. Read the value "B" of the D.V.M., when the AFC is OFF condition.
5. Set the AFC ON condition and adjust T704 for "B" +- 0.3V.
6. Change the frequency of the CW oscillator to "A" (MHz) +- 100KHz, and confirm the difference of the AFC voltage is more than +-2V

2-5. SIF SWEEP ADJUSTMENT

TP	ADJ.	MODE	INPUT
AUDIO OUT (DECODAR C.B.A. 9pin of PK2)	T753 T752		SIF SWEEP
TAPE	**M. EQ.**	**SPEC.**	
	VIF SWEEP/ MONITOR SCOPE	A=5.5MHz(PAL/SECAM B.G MODE) A=6.5MHz(SECAM 0IRT MODE)	

1. Set the DC power supply for 15 +- 1V and supply it to BT Terminal of the Tuner after removing TV Demodulator C.B.A -(9) to cut of the BT voltage from IC7551 - (2).
2. Set the AFC OFF condition.
3. Connect the SIF sweep generator to TP706 and connect the monitor scope to TV Demodulator C.B.A-(15) as shown in Fig. E7.

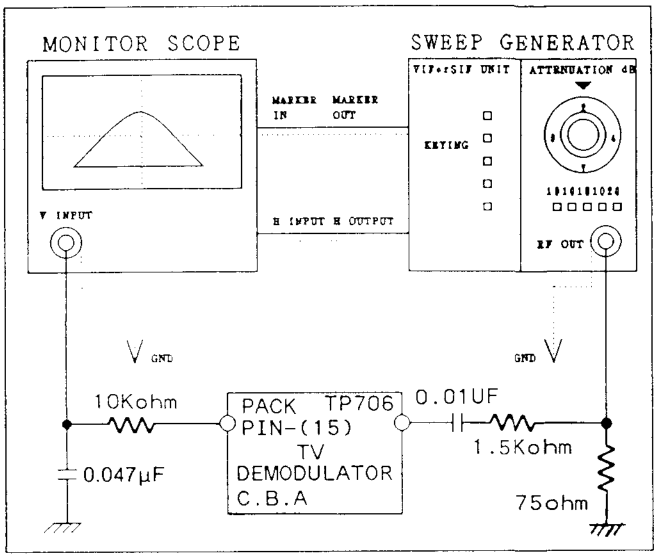


Fig. E7

4. Connect the Jig to both points TP709 and TV Demodulator C.B.A-(6). (Refer to Fig. E19) Adjust the VR of the Jig so that the DC level becomes less than 3V.
5. Set the output of SIF sweep generator for 250mVrms at no load.
6. Adjust VR751 so that the SIF waveform becomes center.
7. Set the TV System SW to PAL/SECAM B,G Mode and adjust T753 so that the attenuation of (A) trap becomes minimum. And adjust for maximum peak-to-peak amplitude of response "S" curve as shown in Fig. E8.

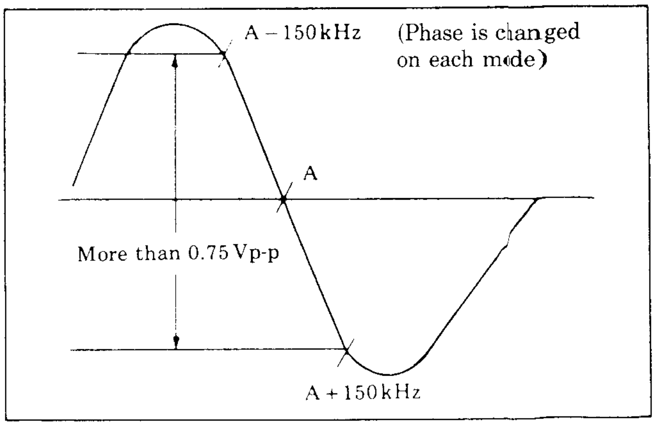


Fig. E8

8. Set the TV System SW to SECAM OIRT Mode and adjust T572 so that the attenuation of (A) trap becomes minimum.
9. Confirm that the level between (A) +- 150KHz marker position is more than 0.75Vp-p.

TV SYSTEM SW	ADJ.	A
PAL/SECAM B.G	T753	5.5MHz
SECAM OIRT	T752	6.5MHz

Fig . E9

2-6. VIDEO FRQUENCY RESPONCE ADJUSTMENT

TP	ADJ.	MODE	INPUT
TV DEMODU-LATOR C.B.A.-(13)	VR741		VIDEO SWEEP V. MOD: 70%, 75dBμ
TAPE	**M. EQ.**	**SPEC.**	
	OSCILLO-SCOPE/ VIDEO SWEEP/ M.V.M		

1. Supply a video sweep signal from the Video sweep generator to the input of the M.V.M.
2. Connect the output of the M.V.M to RF Input of the Deck.
3. Press the SEARCH (+) or (−) button so that the modulated RF signal on the channel 10 (SECAM OIRT) is able to receive.
4. Set the AFC ON condition.
5. Adjust VR741 so that the waveform at the Video out (TV Demodulator C.B.A−(13)) becomes as shown in Fig. E10.

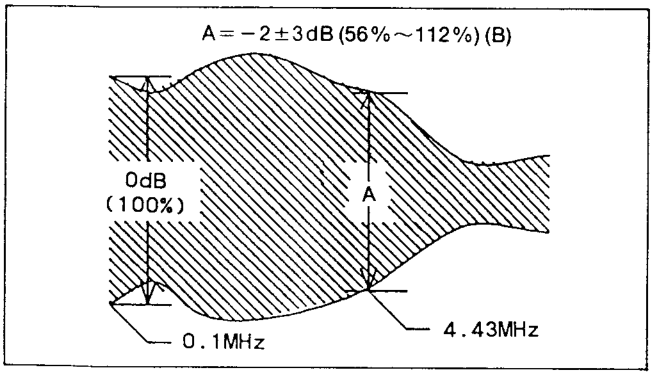


Fig. E10

2-7. AUDIO LEVEL ADJUSTMENT

TP	ADJ.	MODE	INPUT
AUDIO OUT (TV DEMODU-LATOR C.B.A.-(15))	VR752 VR751		VIDEO COLOUR BAR V. MODU: 87.5%, 75dBμ AUDIO 400Hz A. MODU: 30% (60%, 100%) (15kHz DEV)
TAPE	**M. EQ.**	**SPEC.**	
	RC OSC/ OSCILLO-SCOPE or D.V.M/ M.V.M/ PATTERN GENERATOR		

1. Supply a video signal (COLOUR BAR pattern) from the pattern generator and 400Hz sine wave from RC oscillator to the input of the M.V.M.
2. Connect the output of the M.V.M to RF Input of the Deck.
3. Press the SEARCH (+) or (−) button so that the modulated RF signal on the channel 10 (SECAM OIRT) is able to receive.
4. Set the AFC ON condition.
5. Connect the oscilloscope or D.V.M to TV Demodulator C.B.A−(15).
6. Set the TV System SW to PAL/SECAM B,G Mode and adjust VR752 so that the audio level becomes as shown below.

DEV / M. EQ.	30%	60%	100%
OSCILLO-SCOPE	100 ± 5mVp-p	200 ± 5mVp-p	333 ± 17mVp-p
D.V.M	35 ± 2mVrms	70 ± 4mVrms	117 ± 6mVrms

7. Set the TV System SW to SECAM OIRT Mode and adjust VR751 so that the audio level becomes same as item 6.

2-8. AUDIO MUTING FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC7651-④	VR7660		
TAPE	**M. EQ.**	**SPEC.**	
	FREQUENCY COUNTER	15625 ± 50Hz	

Note:
To make this adjustment, please prepare the following circuit as shown in Fig. E11.

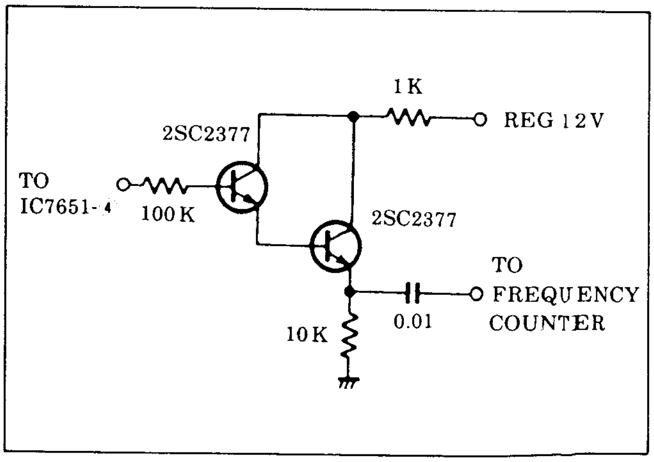
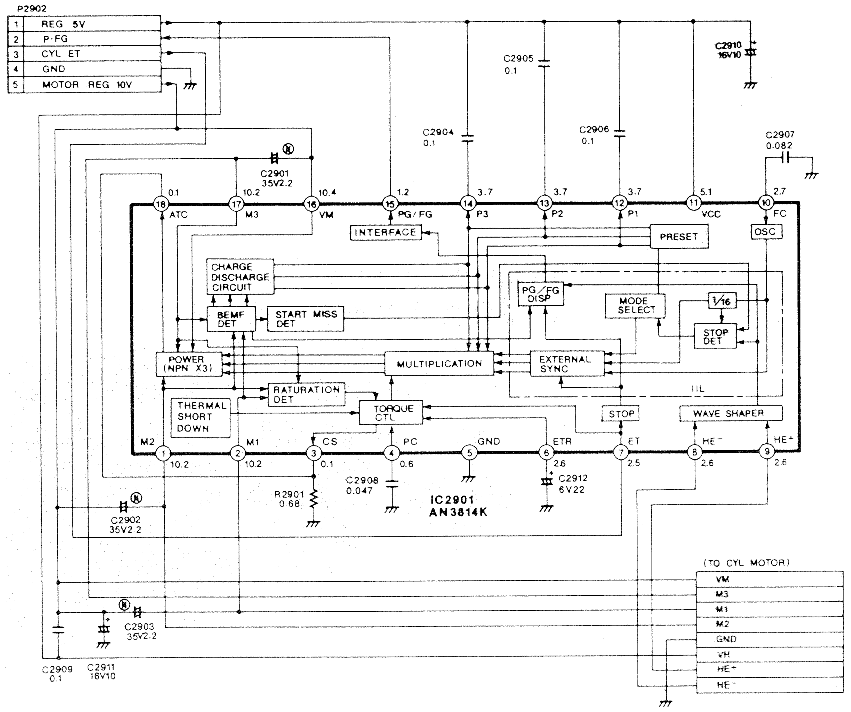
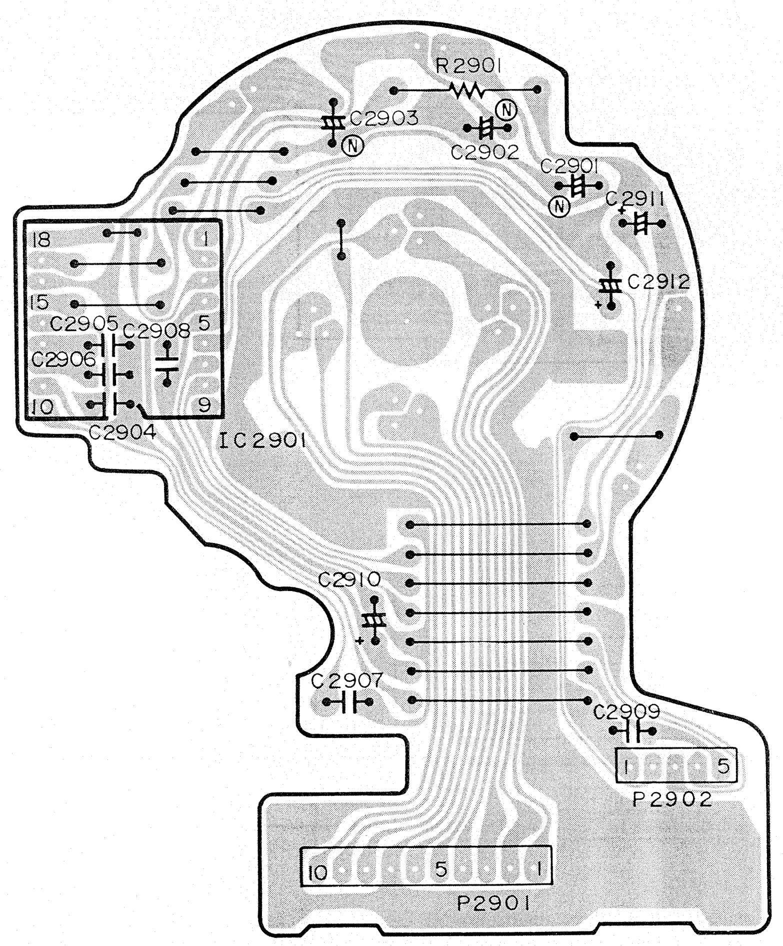


Fig. E11

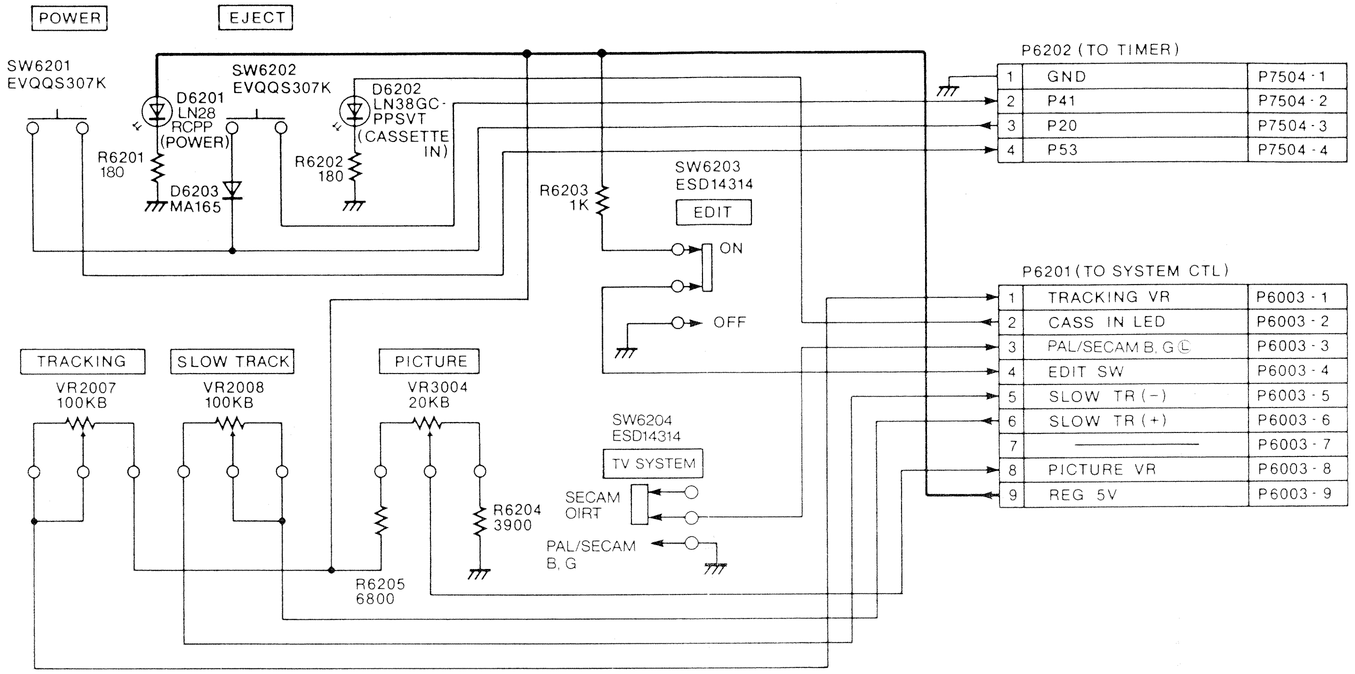
3-1. CYLINDER DRIVE SCHEMATIC DIAGRAM (NV-G21EE/NV-H65EE)


P2902
1 REG 5V
2 P·FG
3 CYL ET
4 GND
5 MOTOR REG 10V
C2905 0.1
C2904 0.1
C2906 0.1
C2907 0.082
C2910 16V10
C2901 35V2.2
ATC
M3
VM
PG/FG
P3
P2
P1
VCC
FC
INTERFACE
PRESET
OSC
CHARGE DISCHARGE CIRCUIT
BEMF DET
START MISS DET
PG/FG DISP
MODE SELECT
1/16
STOP DET
POWER (NPN X3)
SATURATION DET
MULTIPLICATION
EXTERNAL SYNC
THERMAL SHORT DOWN
TORQUE CTL
STOP
WAVE SHAPER
M2
M1
CS
PC
GND
ETR
ET
HE-
HE+
R2901 0.68
C2908 0.047
IC2901 AN3814K
C2912 6V22
C2902 35V2.2
C2903 35V2.2
C2909 0.1
C2911 16V10
(TO CYL MOTOR)
VM
M3
M1
M2
GND
VH
HE+
HE-

3-2. CYLINDER DRIVE C.B.A. (VEP00K62A) (NV-G21EE/NV-H65EE)

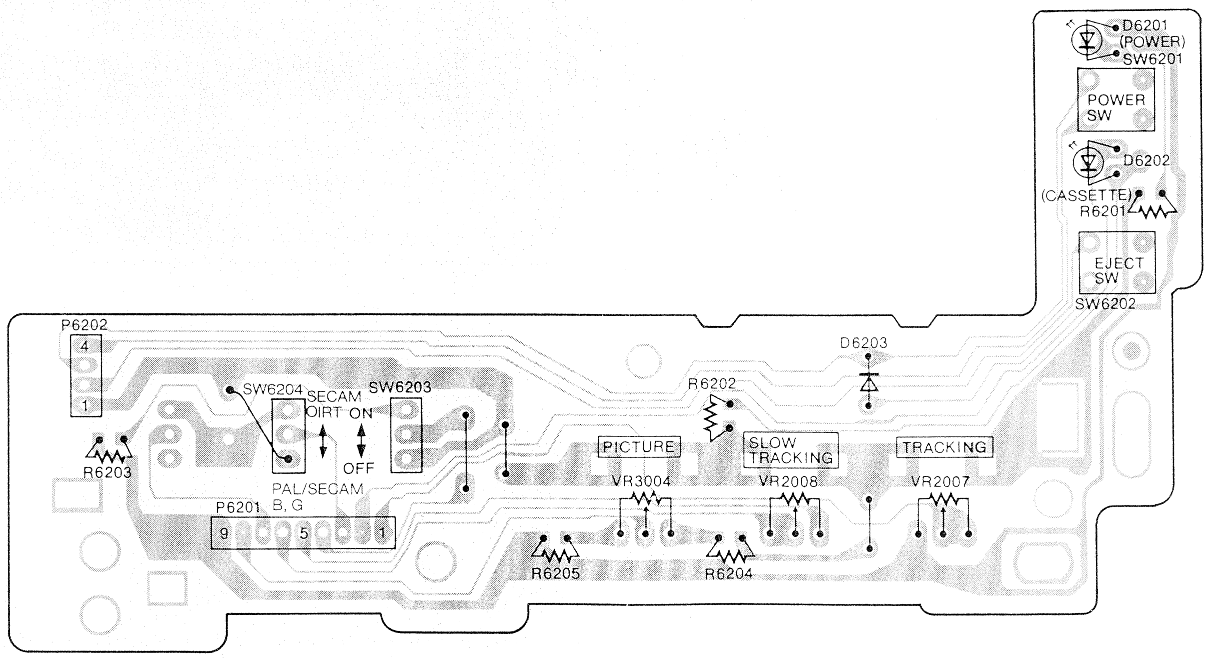

R2901
C2903
C2902
C2901
C2911
C2912
18
1
15
C2905
C2908
5
C2906
10
9
C2904
IC2901
C2910
C2907
C2909
1 5
P2902
10 5 1
P2901

3-3. OPERATION SCHEMATIC DIAGRAM (NV-G21EE)


POWER
EJECT
SW6201 EVQQS307K
SW6202 EVQQS307K
D6201 LN28RCPP (POWER)
D6202 LN38GC-PPSVT (CASSETTE IN)
R6201 180
R6202 180
D6203 MA165
R6203 1K
SW6203 ESD14314
EDIT
ON
OFF
P6202 (TO TIMER)
1 GND P7504·1
2 P41 P7504·2
3 P20 P7504·3
4 P53 P7504·4
P6201 (TO SYSTEM CTL)
1 TRACKING VR P6003·1
2 CASS IN LED P6003·2
3 PAL/SECAM B,G,E P6003·3
4 EDIT SW P6003·4
5 SLOW TR (−) P6003·5
6 SLOW TR (+) P6003·6
7 P6003·7
8 PICTURE VR P6003·8
9 REG 5V P6003·9
TRACKING
VR2007 100KB
SLOW TRACK
VR2008 100KB
PICTURE
VR3004 20KB
SW6204 ESD14314
TV SYSTEM
SECAM OIRT
PAL/SECAM B, G
R6204 3900
R6205 6800

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

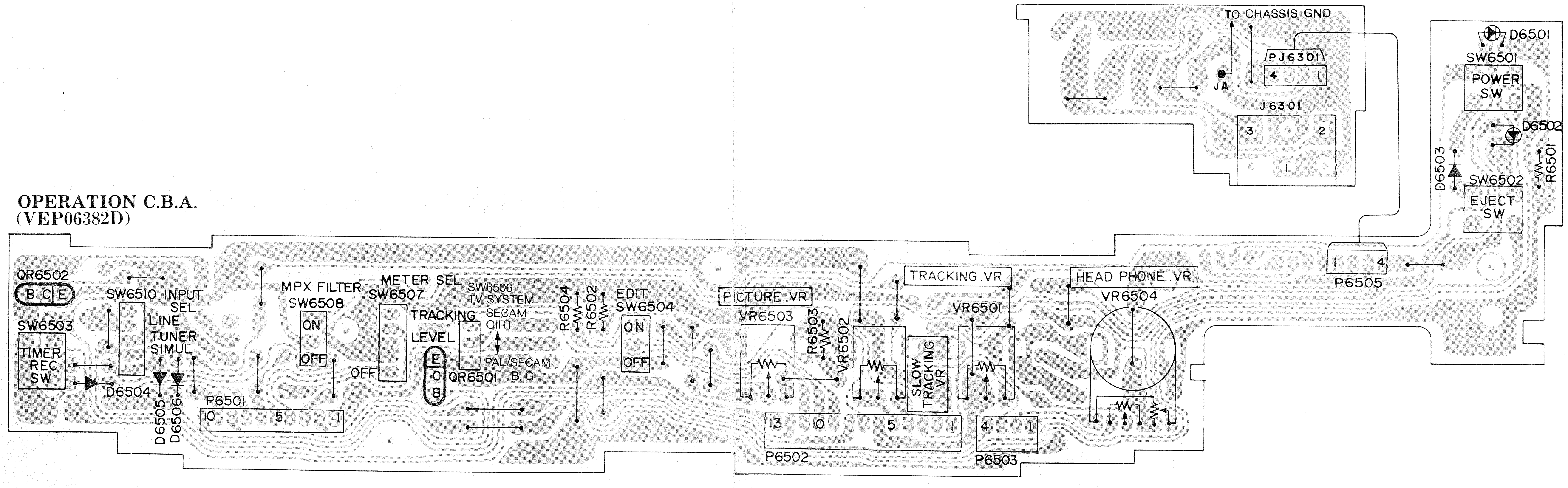
3-4. OPERATION C.B.A. (VEP06409C: NV-G21EE)


D6201 (POWER)
SW6201
POWER SW
D6202 (CASSETTE)
R6201
EJECT SW
SW6202
P6202
4
1
R6203
SW6204
SECAM OIRT
SW6203
ON
OFF
PAL/SECAM B, G
P6201
9 5 1
R6202
D6203
PICTURE
VR3004
SLOW TRACKING
VR2008
TRACKING
VR2007
R6205
R6204

3-5. OPERATION C.B.A. (VEP06382D: NV-H65EE)

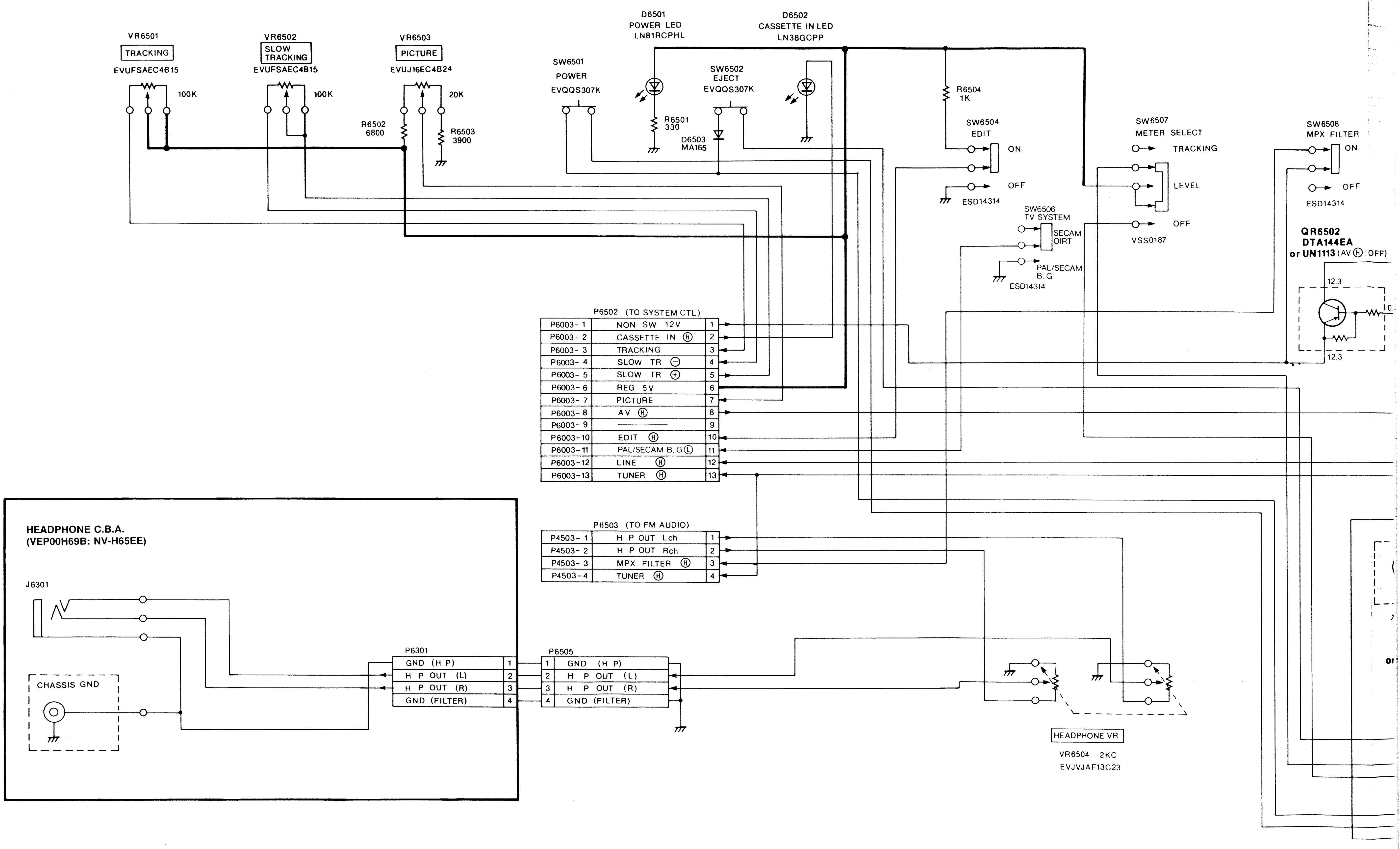
HEADPHONE C.B.A.
(VEP00H69B: NV-H65EE)

OPERATION C.B.A.
(VEP06382D)



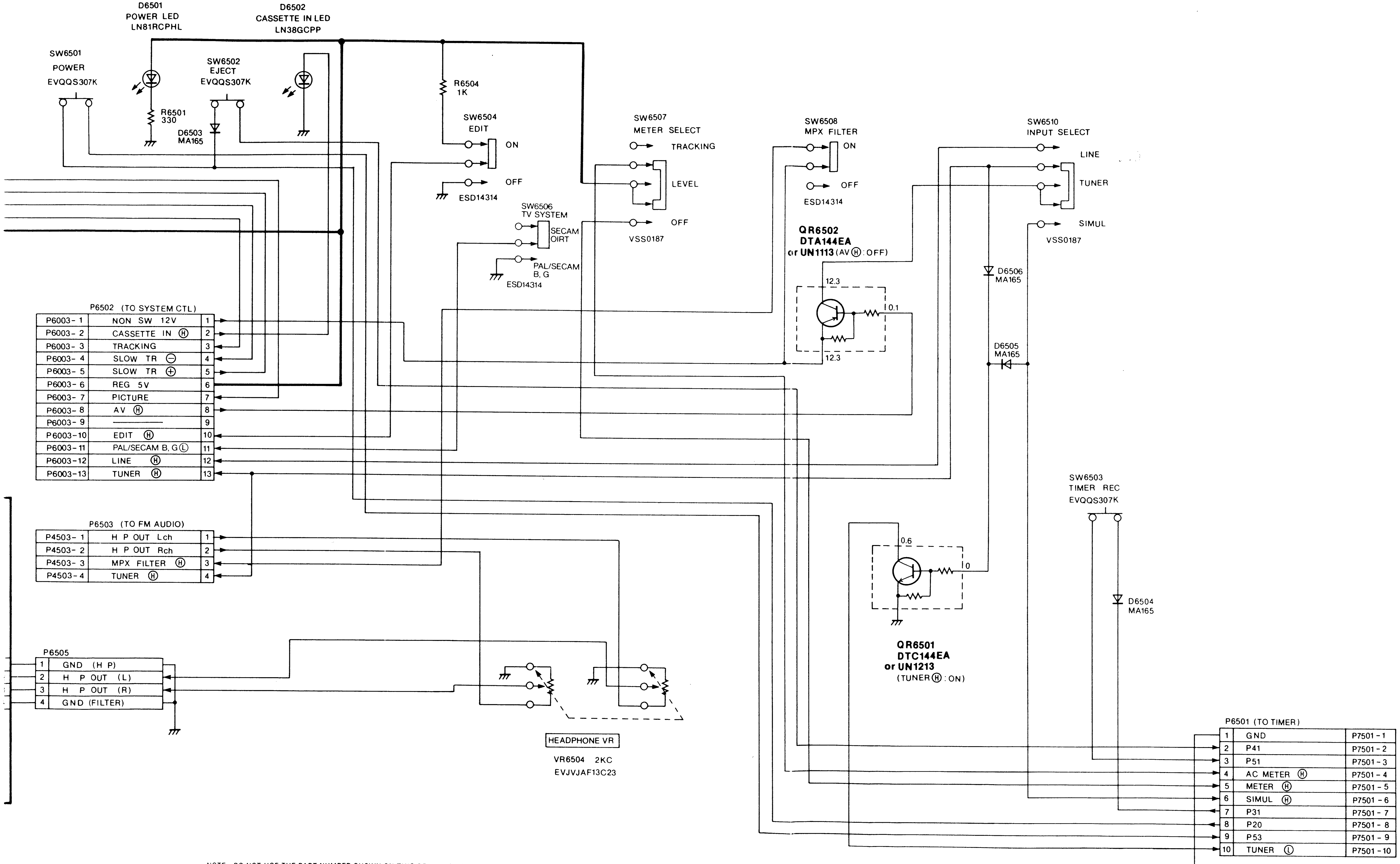
TO CHASSIS GND
PJ6301
4
1
JA
J6301
3
2
1
D6501
SW6501
POWER SW
D6502
D6503
R6501
SW6502
EJECT SW
P6505
1
4
QR6502
B C E
SW6510 INPUT SEL
LINE
TUNER
SIMUL
SW6503
TIMER REC SW
D6504
D6505
D6506
P6501
10
5
1
MPX FILTER
SW6508
ON
OFF
METER SEL
SW6507
OFF
SW6506
TV SYSTEM
SECAM
OIRT
PAL/SECAM
B, G
TRACKING
LEVEL
E
C
B
QR6501
R6504
R6502
EDIT
SW6504
ON
OFF
PICTURE.VR
VR6503
R6503
VR6502
TRACKING.VR
VR6501
SLOW TRACKING VR
HEAD PHONE.VR
VR6504
13
10
5
1
P6502
4
1
P6503

3-6. OPERATION SCHEMATIC DIAGRAM (NV-H65EE)


VR6501
TRACKING
EVUFSAEC4B15
100K
VR6502
SLOW TRACKING
EVUFSAEC4B15
100K
VR6503
PICTURE
EVUJ16EC4B24
20K
R6502
6800
R6503
3900
SW6501
POWER
EVQQS307K
D6501
POWER LED
LN81RCPHL
R6501
330
SW6502
EJECT
EVQQS307K
D6503
MA165
D6502
CASSETTE IN LED
LN38GCPP
R6504
1K
SW6504
EDIT
ON
OFF
ESD14314
SW6506
TV SYSTEM
SECAM
OIRT
PAL/SECAM
B, G
ESD14314
SW6507
METER SELECT
TRACKING
LEVEL
OFF
VSS0187
SW6508
MPX FILTER
ON
OFF
ESD14314
QR6502
DTA144EA
or UN1113 (AV Ⓗ: OFF)
12.3
12.3
10
P6502 (TO SYSTEM CTL)
P6003- 1
NON SW 12V
1
P6003- 2
CASSETTE IN Ⓗ
2
P6003- 3
TRACKING
3
P6003- 4
SLOW TR ⊖
4
P6003- 5
SLOW TR ⊕
5
P6003- 6
REG 5V
6
P6003- 7
PICTURE
7
P6003- 8
AV Ⓗ
8
P6003- 9
9
P6003-10
EDIT Ⓗ
10
P6003-11
PAL/SECAM B, GⓁ
11
P6003-12
LINE Ⓗ
12
P6003-13
TUNER Ⓗ
13
P6503 (TO FM AUDIO)
P4503- 1
H P OUT Lch
1
P4503- 2
H P OUT Rch
2
P4503- 3
MPX FILTER Ⓗ
3
P4503- 4
TUNER Ⓗ
4
HEADPHONE C.B.A.
(VEP00H69B: NV-H65EE)
J6301
CHASSIS GND
P6301
GND (H P)
1
H P OUT (L)
2
H P OUT (R)
3
GND (FILTER)
4
P6505
1
GND (H P)
2
H P OUT (L)
3
H P OUT (R)
4
GND (FILTER)
HEADPHONE VR
VR6504 2KC
EVJVJAF13C23
or

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE

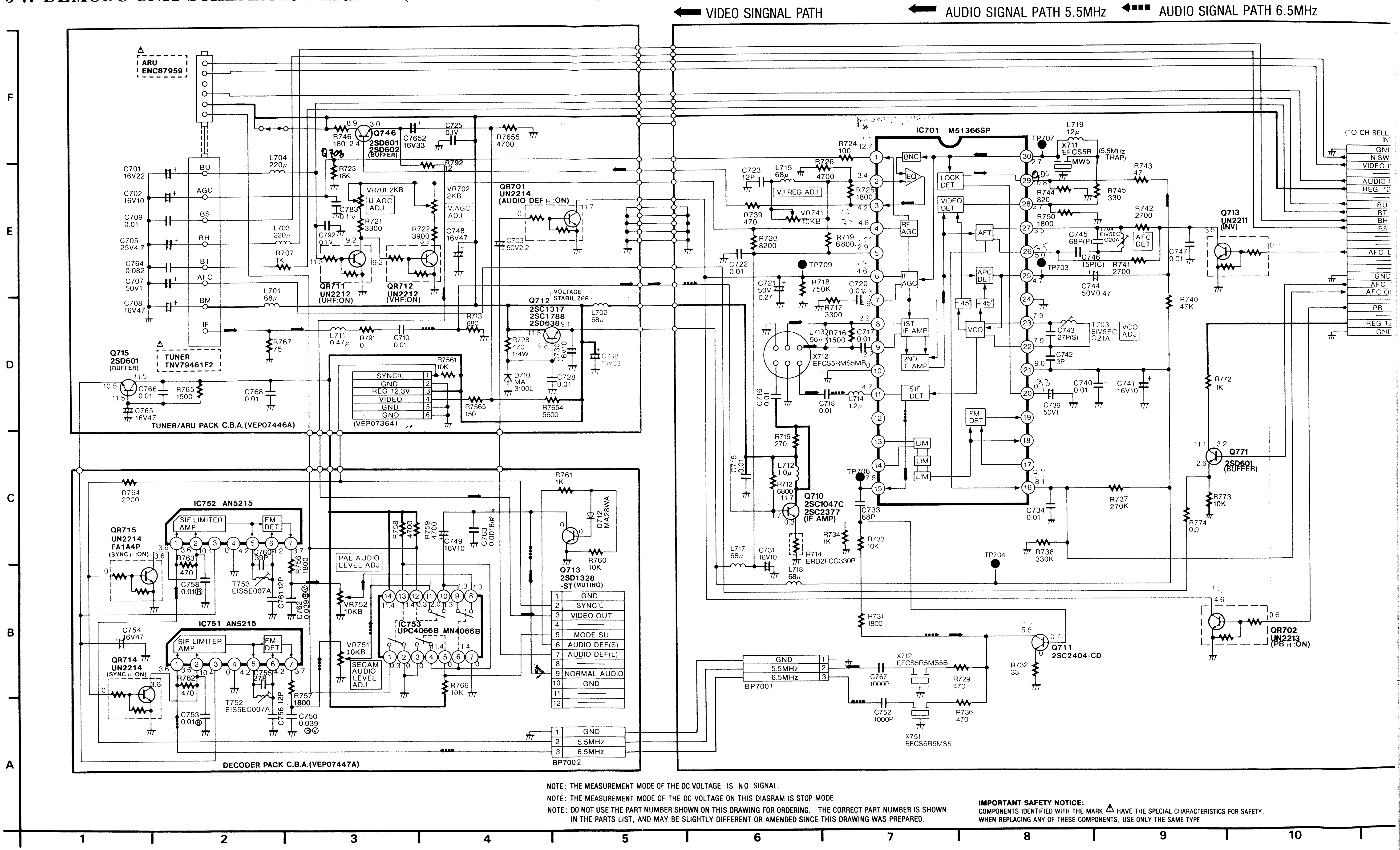
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.


D6501
POWER LED
LN81RCPHL
D6502
CASSETTE IN LED
LN38GCPP
SW6501
POWER
EVQQS307K
SW6502
EJECT
EVQQS307K
R6501
330
D6503
MA165
R6504
1K
SW6504
EDIT
ON
OFF
ESD14314
SW6506
TV SYSTEM
SECAM
OIRT
PAL/SECAM
B, G
ESD14314
SW6507
METER SELECT
TRACKING
LEVEL
OFF
VSS0187
SW6508
MPX FILTER
ON
OFF
ESD14314
QR6502
DTA144EA
or UN1113 (AV Ⓗ : OFF)
12.3
0.1
12.3
SW6510
INPUT SELECT
LINE
TUNER
SIMUL
VSS0187
D6506
MA165
D6505
MA165
P6502 (TO SYSTEM CTL)
P6003- 1 NON SW 12V 1
P6003- 2 CASSETTE IN Ⓗ 2
P6003- 3 TRACKING 3
P6003- 4 SLOW TR ⊖ 4
P6003- 5 SLOW TR ⊕ 5
P6003- 6 REG 5V 6
P6003- 7 PICTURE 7
P6003- 8 AV Ⓗ 8
P6003- 9 ——— 9
P6003-10 EDIT Ⓗ 10
P6003-11 PAL/SECAM B, G Ⓛ 11
P6003-12 LINE Ⓗ 12
P6003-13 TUNER Ⓗ 13
P6503 (TO FM AUDIO)
P4503- 1 H P OUT Lch 1
P4503- 2 H P OUT Rch 2
P4503- 3 MPX FILTER Ⓗ 3
P4503- 4 TUNER Ⓗ 4
SW6503
TIMER REC
EVQQS307K
0.6
0
D6504
MA165
QR6501
DTC144EA
or UN1213
(TUNER Ⓗ : ON)
P6505
1 GND (H P)
2 H P OUT (L)
3 H P OUT (R)
4 GND (FILTER)
HEADPHONE VR
VR6504 2KC
EVJVJAF13C23
P6501 (TO TIMER)
1 GND P7501 - 1
2 P41 P7501 - 2
3 P51 P7501 - 3
4 AC METER Ⓗ P7501 - 4
5 METER Ⓗ P7501 - 5
6 SIMUL Ⓗ P7501 - 6
7 P31 P7501 - 7
8 P20 P7501 - 8
9 P53 P7501 - 9
10 TUNER Ⓛ P7501 - 10

OLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

3-7. DEMODU UNIT SCHEMATIC DIAGRAM (NV-G21EE/NV-H65EE)


VIDEO SINGNAL PATH
AUDIO SIGNAL PATH 5.5MHz
AUDIO SIGNAL PATH 6.5MHz
ARU ENC87959
TUNER TNV79461F2
BU
AGC
BS
BH
BT
AFC
BM
IF
Q715 2SD601 (BUFFER)
Q746 2SD601 2SD602 (BUFFER)
VR701 2KB U AGC ADJ
VR702 2KB V.AGC ADJ
QR711 UN2212 (UHF:ON)
QR712 UN2212 (VHF:ON)
QR701 UN2214 (AUDIO DEF H:ON)
Q712 2SC1317 2SC1788 2SD638 VOLTAGE STABILIZER
D710 MA 3100L
SYNC
GND
REG 12.3V
VIDEO
GND
GND
(VEP07364)
TUNER/ARU PACK C.B.A.(VEP07446A)
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
IF AGC
AFT
APC DET
-45
+45
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
V.FREG ADJ
VR741 10KB
X711 EFCS5R MW5 (5.5MHz TRAP)
T704 EIV5EC O20A AFC DET
T703 EIV5EC O21A VCO ADJ
X712 EFCS5RMS5MB
Q710 2SC1047C 2SC2377 (IF AMP)
Q711 2SC2404-CD
Q713 UN2211 (INV)
Q771 2SD601 (BUFFER)
QR702 UN2213 (PB H:ON)
TP703
TP704
TP706
TP707
TP709
(TO CH SELE
GND
N.SW
VIDEO
AUDIO
REG 12
BU
BT
BH
BS
AFC
GND
AFC
AFC O
PB
REG 1
GND
IC752 AN5215
IC751 AN5215
SIF LIMITER AMP
FM DET
QR715 UN2214 FA1A4P (SYNC H:ON)
QR714 UN2214 (SYNC H:ON)
T753 EIS5E007A
T752 EIS5EC007A
PAL AUDIO LEVEL ADJ
VR752 10KB
VR751 10KB
SECAM AUDIO LEVEL ADJ
IC753 UPC4066B MN4066B
Q713 2SD1328 -ST (MUTING)
D712 MA28WA
1 GND
2 SYNC
3 VIDEO OUT
4
5 MODE SU
6 AUDIO DEF(S)
7 AUDIO DEF(L)
8
9 NORMAL AUDIO
10 GND
11
12
GND 1
5.5MHz 2
6.5MHz 3
BP7001
X712 EFCS5R5MS5B
X751 EFCS6R5MS5
1 GND
2 5.5MHz
3 6.5MHz
BP7002
DECODER PACK C.B.A.(VEP07447A)
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

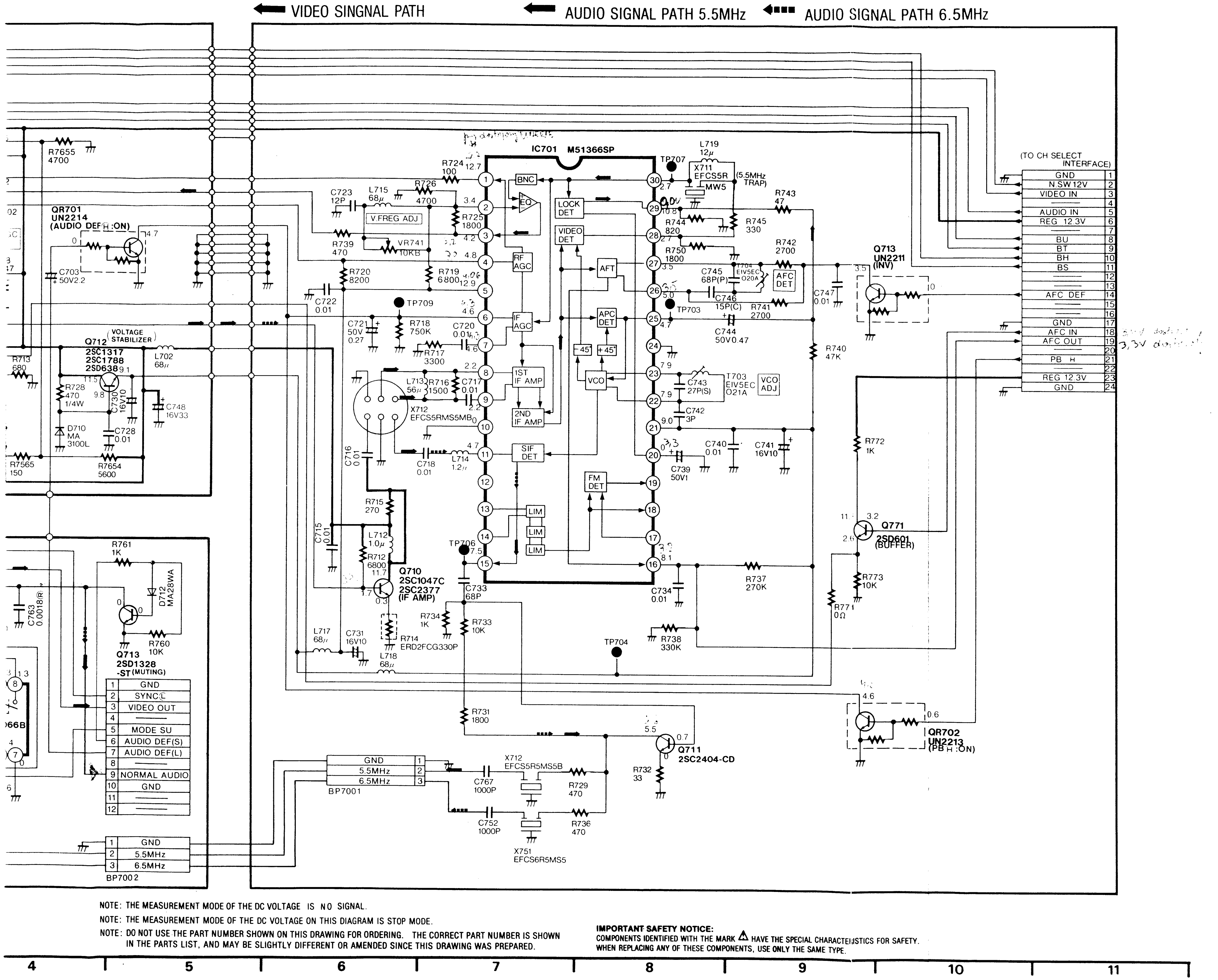
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IS NO SIGNAL.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

21EE/NV-H65EE)


VIDEO SINGNAL PATH
AUDIO SIGNAL PATH 5.5MHz
AUDIO SIGNAL PATH 6.5MHz
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
IF AGC
AFT
APC DET
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
AFC DET
VCO ADJ
V.FREG ADJ
X711 EFCS5R MW5 (5.5MHz TRAP)
X712 EFCS5RMS5MB
X751 EFCS6R5MS5
T703 EIV5EC O21A
QR701 UN2214 (AUDIO DEF H :ON)
Q712 2SC1317 2SC1788 2SD638 (VOLTAGE STABILIZER)
Q713 2SD1328 -ST (MUTING)
Q710 2SC1047C 2SC2377 (IF AMP)
Q711 2SC2404-CD
Q713 UN2211 (INV)
Q771 2SD601 (BUFFER)
QR702 UN2213 (PB H :ON)
D710 MA 3100L
D712 MA28WA
TP703
TP704
TP706
TP707
TP709
(TO CH SELECT INTERFACE)
1 GND
2 N.SW12V
3 VIDEO IN
5 AUDIO IN
6 REG 12.3V
8 BU
9 BT
10 BH
11 BS
14 AFC DEF
17 GND
18 AFC IN
19 AFC OUT
21 PB H
23 REG 12.3V
24 GND
1 GND
2 SYNC
3 VIDEO OUT
5 MODE SU
6 AUDIO DEF(S)
7 AUDIO DEF(L)
9 NORMAL AUDIO
10 GND
BP7001
1 GND
2 5.5MHz
3 6.5MHz
BP7002
3,3V
4
5
6
7
8
9
10
11

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IS NO SIGNAL.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

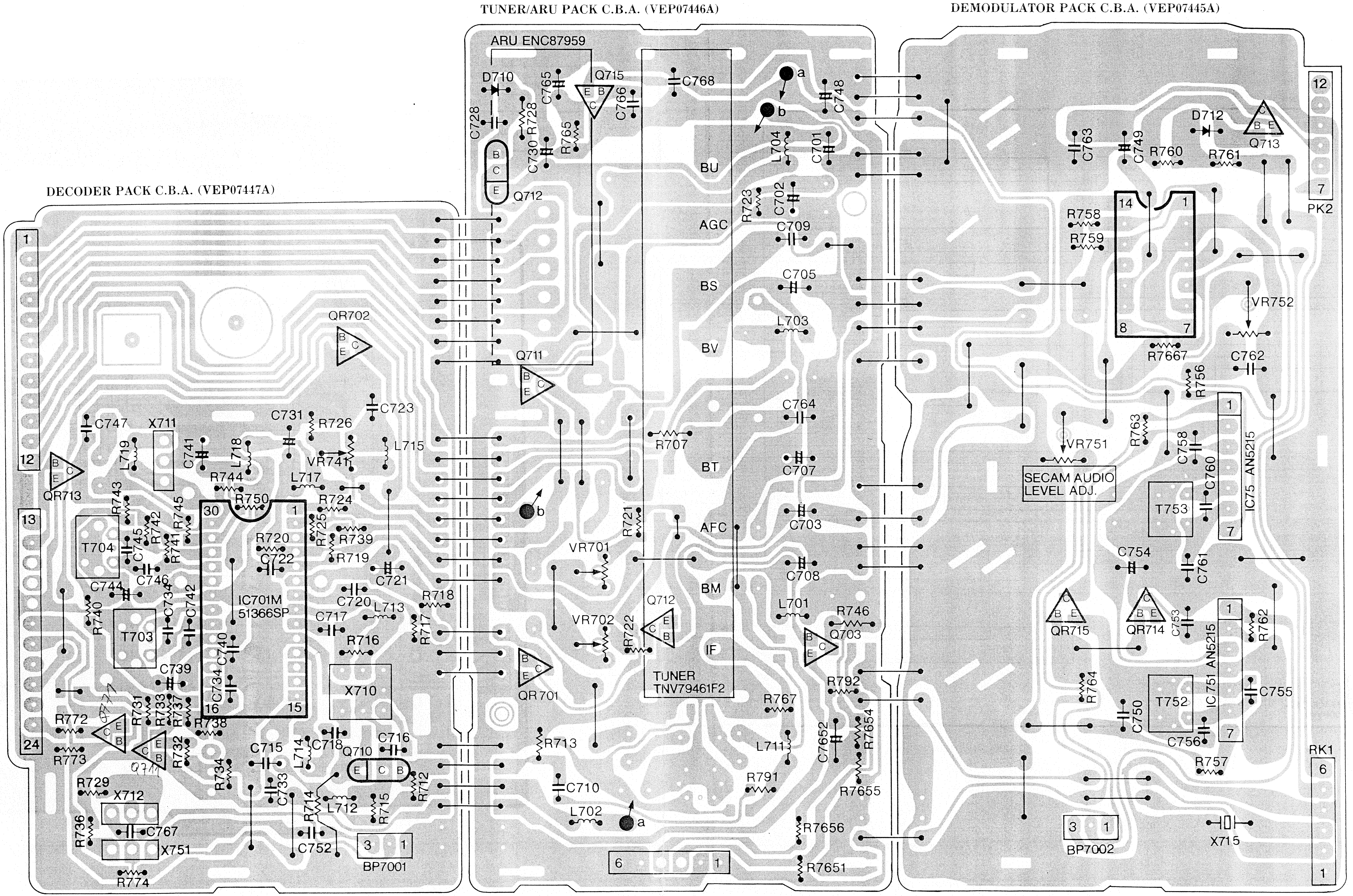
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

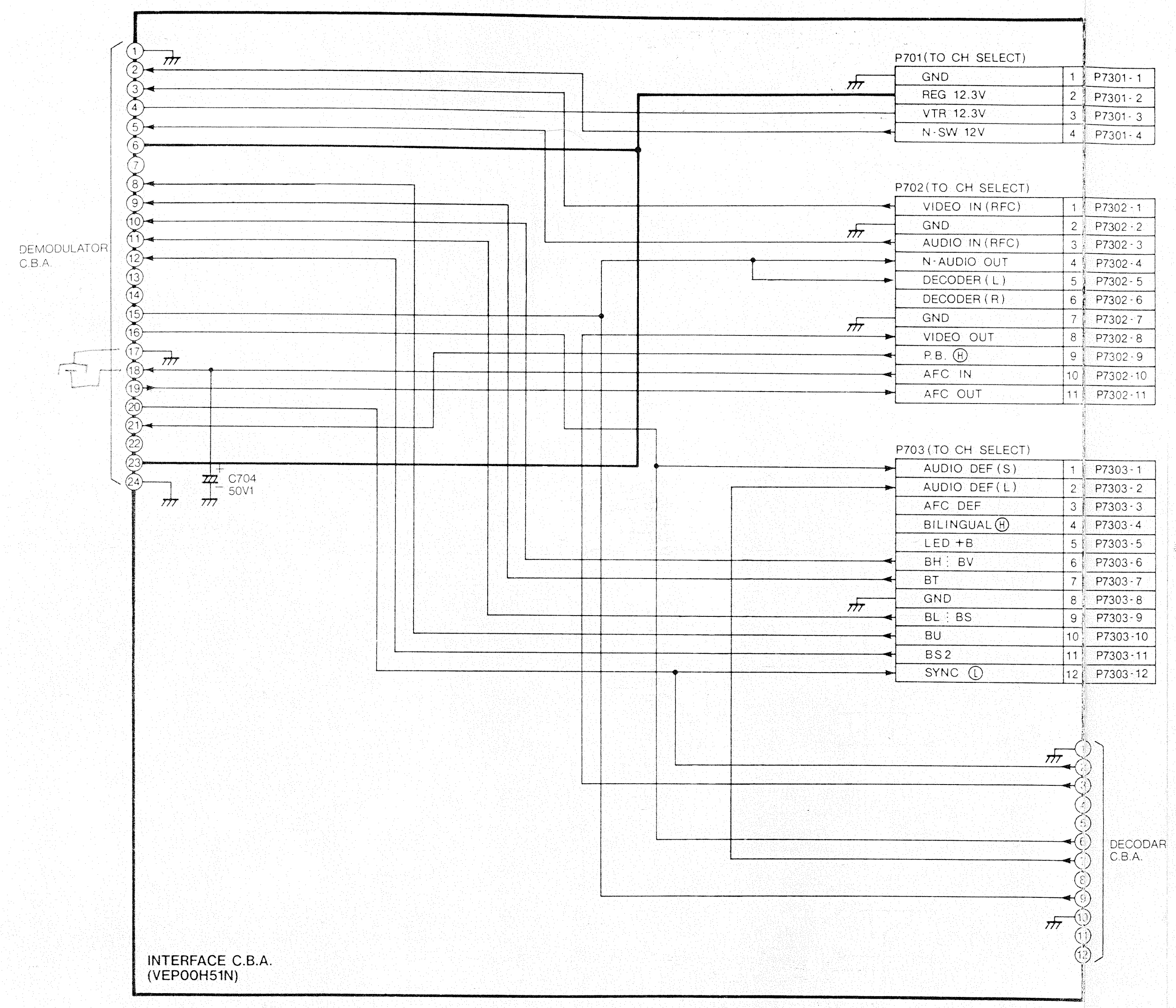
INTERFACE (DEMODU UNIT) SCHEMATIC	
Transistor	
Q710	C-6
Q711	B-8
Q712	D-5
Q713	C-5
Q713	E-10
Q715	D-1
Q746	F-3
Q771	C-9
Transistor & Resistor	
QR701	E-5
QR702	B-9
QR711	E-3
QR712	E-4
QR714	A-1
QR715	B-1
Integrated Circuit	
IC701	F-7
IC751	B-2
IC752	C-2
IC753	B-3
Test Point	
TP703	E-8
TP704	C-8
TP706	C-7
TP707	F-8
TP709	E-6
Adjustment	
VR701	E-3
VR702	E-4
VR741	E-6
VR751	B-3
VR752	B-3
T703	D-9
T704	E-9
T752	A-2
T753	B-2
Connector	
BP7001	B-6
VJR0190	D-11

ADDRESS INFORMATION

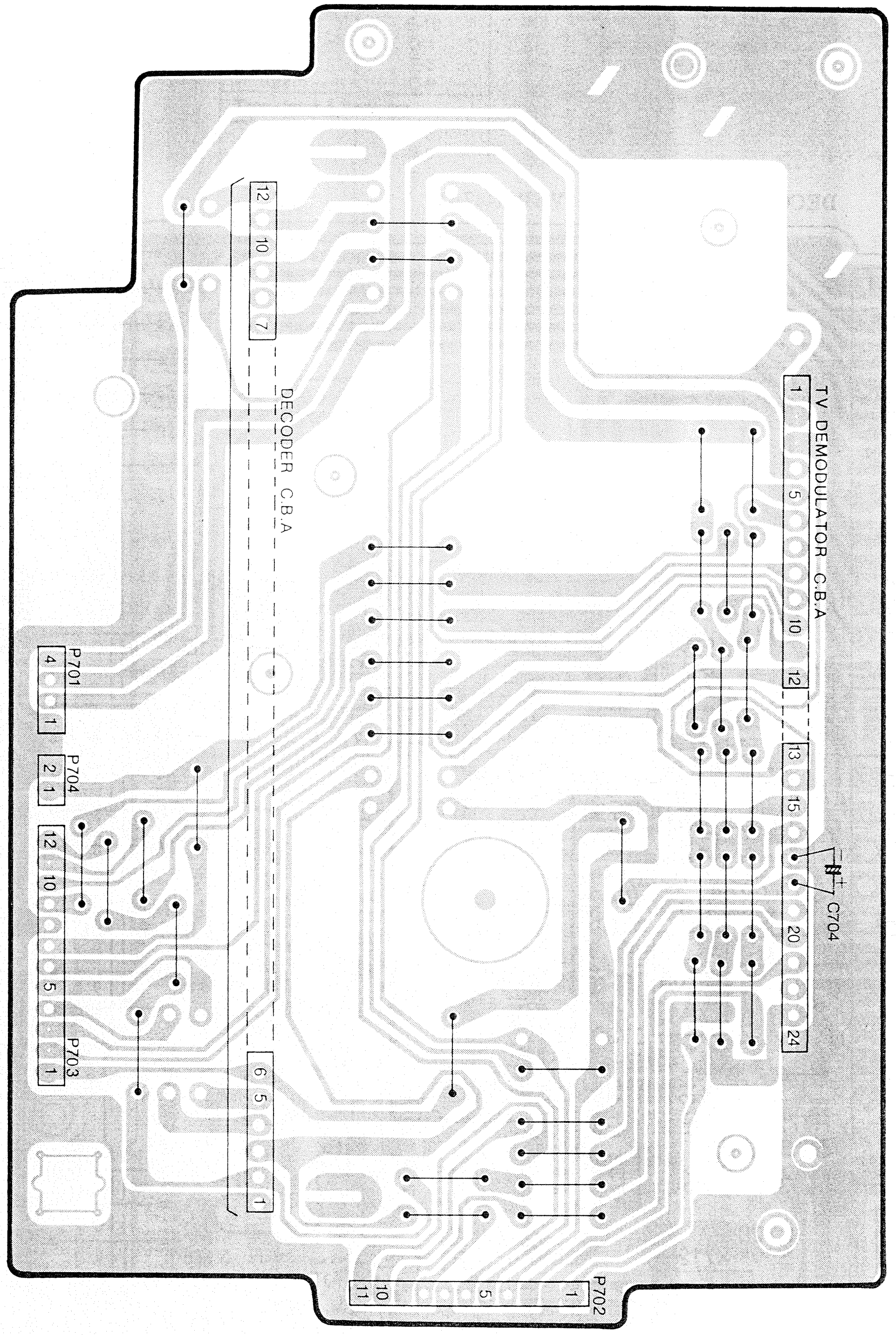
3-8. DEMODU UNIT C.B.A. (NV-G21EE/NV-H65EE)


TUNER/ARU PACK C.B.A. (VEP07446A)
DEMODULATOR PACK C.B.A. (VEP07445A)
DECODER PACK C.B.A. (VEP07447A)
ARU ENC87959
D710
C765
Q715
C766
C768
a
b
C748
C728
R728
R765
C730
Q712
L704
C701
BU
R723
C702
AGC
C709
C705
BS
L703
BV
Q711
C764
R707
BT
C707
R721
AFC
C703
VR701
C708
BM
L701
R746
Q712
VR702
R722
IF
Q703
TUNER
TNV79461F2
QR701
R792
R767
L711
C7652
R7654
R713
C710
R791
R7655
L702
R7656
R7651
6
1
12
7
PK2
D712
Q713
C763
C749
R760
R761
14
1
8
7
R758
R759
VR752
R7667
C762
R756
VR751
SECAM AUDIO
LEVEL ADJ.
R763
C758
C760
IC75 AN5215
T753
C754
C761
QR715
QR714
C753
IC751 AN5215
R762
R764
C750
T752
C755
C756
R757
RK1
3
1
BP7002
X715
QR702
C747
X711
C731
R726
C723
L719
C741
L718
VR741
L715
R744
L717
12
QR713
R743
R750
R724
30
1
R742
R745
R720
R725
R739
T704
C745
R741
C722
R719
C746
C721
13
C744
C734
C742
IC701M
51366SP
C720
L713
R718
R740
T703
C717
R717
R716
C740
C739
C734
16
15
X710
R772
R731
R733
R737
R738
24
R773
R732
C715
C718
L714
Q710
C716
R729
R734
C733
E
C
B
R712
X712
R714
L712
R715
R736
C767
X751
C752
BP7001
R774

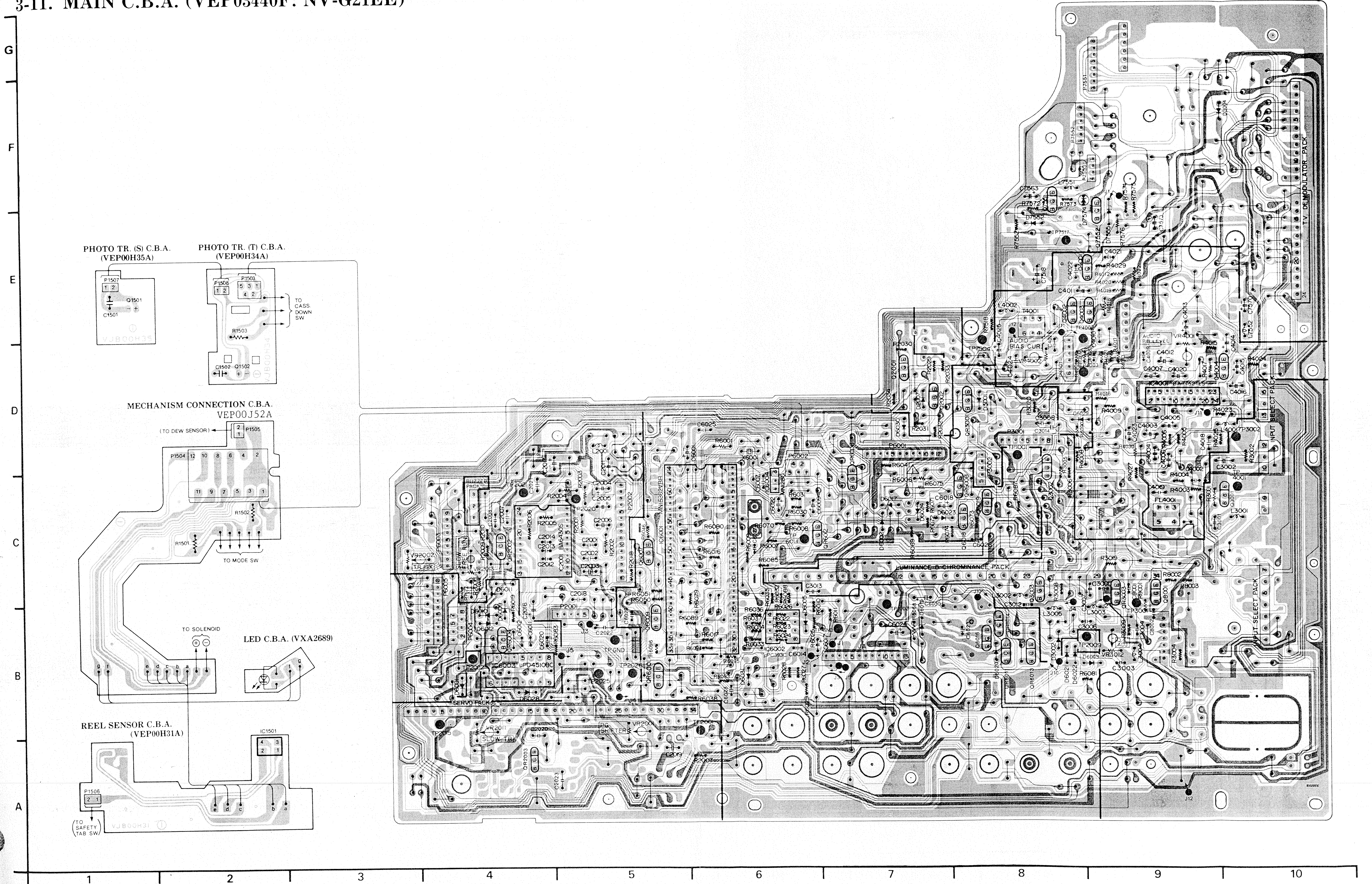
3-9. INTERFACE SCHEMATIC DIAGRAM (NV-H65EE)

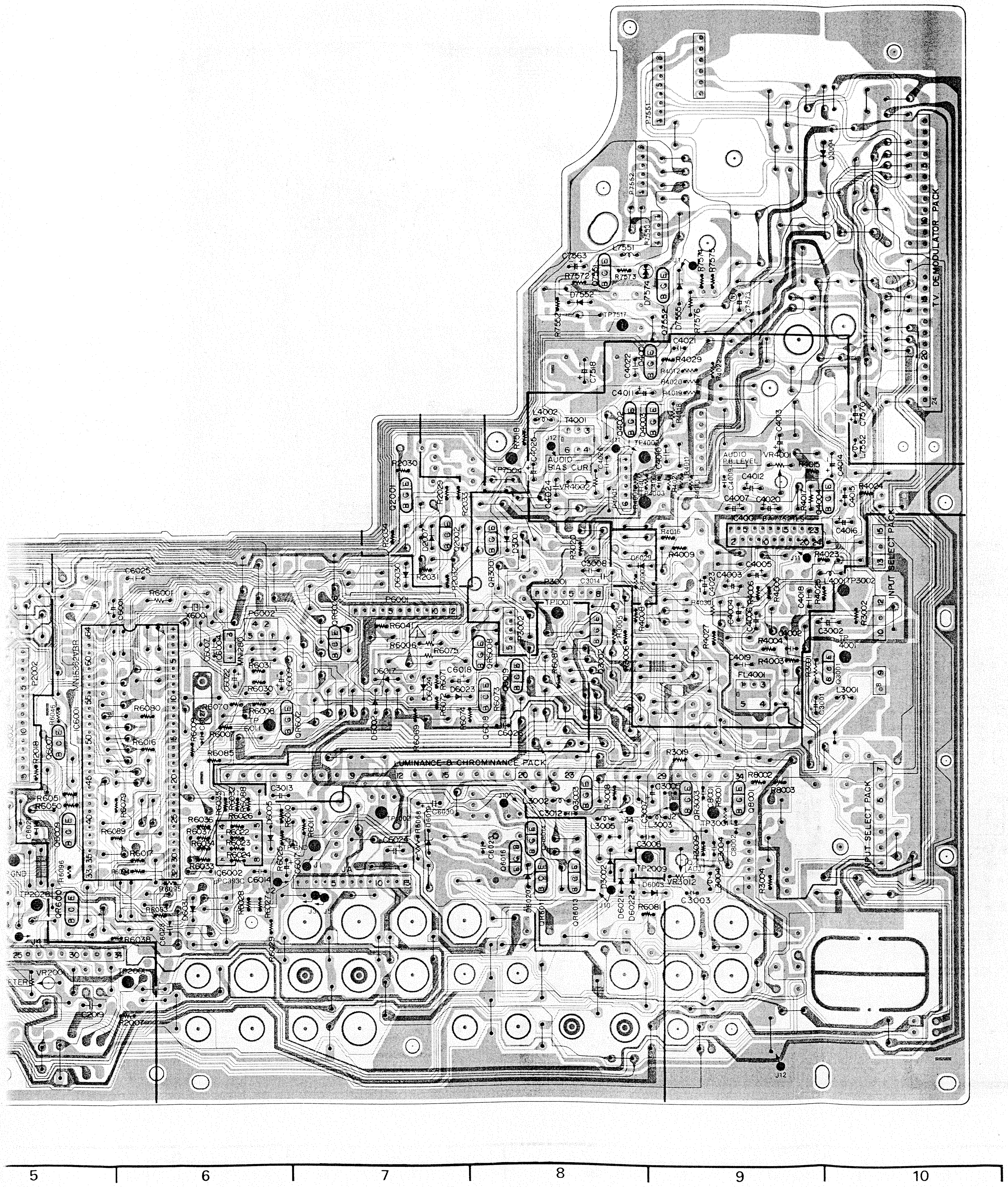

DEMODULATOR C.B.A.
P701(TO CH SELECT)
GND 1 P7301-1
REG 12.3V 2 P7301-2
VTR 12.3V 3 P7301-3
N-SW 12V 4 P7301-4
P702(TO CH SELECT)
VIDEO IN(RFC) 1 P7302-1
GND 2 P7302-2
AUDIO IN(RFC) 3 P7302-3
N-AUDIO OUT 4 P7302-4
DECODER (L) 5 P7302-5
DECODER (R) 6 P7302-6
GND 7 P7302-7
VIDEO OUT 8 P7302-8
P.B. Ⓗ 9 P7302-9
AFC IN 10 P7302-10
AFC OUT 11 P7302-11
P703(TO CH SELECT)
AUDIO DEF(S) 1 P7303-1
AUDIO DEF(L) 2 P7303-2
AFC DEF 3 P7303-3
BILINGUAL Ⓗ 4 P7303-4
LED +B 5 P7303-5
BH : BV 6 P7303-6
BT 7 P7303-7
GND 8 P7303-8
BL : BS 9 P7303-9
BU 10 P7303-10
BS2 11 P7303-11
SYNC Ⓛ 12 P7303-12
C704
50V1
DECODAR C.B.A.
INTERFACE C.B.A.
(VEPOOH51N)

3-10. INTERFACE C.B.A. (NV-H65EE)


DECODER C.B.A
12
10
7
6
5
1
TV DEMODULATOR C.B.A
1
5
10
12
13
15
20
24
C704
P701
4
1
P704
2 1
P703
12
10
5
1
P702
1
5
10
11

3-11. MAIN C.B.A. (VEP03440F: NV-G21EE)


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
PHOTO TR. (S) C.B.A.
(VEP00H35A)
P1507
Q1501
C1501
VJB00H35
PHOTO TR. (T) C.B.A.
(VEP00H34A)
P1506
P1503
TO CASS. DOWN SW
R1503
C1502
Q1502
MECHANISM CONNECTION C.B.A.
VEP00J52A
(TO DEW SENSOR)
P1505
P1504
R1502
R1501
TO MODE SW
TO SOLENOID
LED C.B.A. (VXA2689)
REEL SENSOR C.B.A.
(VEP00H31A)
IC1501
P1506
TO SAFETY TAB SW
VJB00H31
T.V. DEMODULATOR PACK
AUDIO BIAS CUR.
AUDIO P.B. LEVEL
INPUT SELECT PACK
LUMINANCE & CHROMINANCE PACK
SERVO PACK
BUZZER PACK
PG SHIFTER
SLOW TR.
TR. FIX
IC6003 uPD4510BC
IC6001
IC4001
FL4001
L3001
L4001
L4002
T4001
VR4001
VR4002
VR2001
VR2002
VR2003
VR6001
TP2009
TP3001
TP4001
J12



MAIN C.B.A. ADDRESS INFORMATIONS

SERVO SECTION	
Transistor	
Q2001	D-7
Q2002	D-7
Transistor & Resistor	
QR2002	C-4
Integrated Circuit	
IC2001	C-4
Test Point	
TP2001	A-6
TP2002	B-4
TP2009	B-8
TP2015	B-4
TP2020	C-5
TP2021	C-4
TP2025	B-5
TP2026	B-5
Adjustment	
VR2001	B-5
VR2002	C-3
VR2011	B-4
VR2013	C-4
Connector	
P2001	B-5
P2002	C-5

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE SECTION	
Transistor	
Q3001	C-10
Q3002	C-8
Q3003	C-8
Q8001	C-9
Transistor & Resistor	
QR3001	D-8
QR3003	C-9
Test Point	
TP3001	C-9
TP3002	D-10
Adjustment	
VR3012	B-9
Connector	
P3001	D-8
P3002	C-8
P3003	B-9

ADDRESS INFORMATION

AUDIO SECTION	
Transistor	
Q4001	E-9
Q4002	E-8
Q4003	E-9
Q4004	D-10
Integrated Circuit	
IC4001	D-9
Test Point	
TP4001	C-10
TP4002	D-9
TP4003	D-9
Adjustment	
VR4001	D-9
VR4002	D-8
Connector	
P4001	E-8

ADDRESS INFORMATION

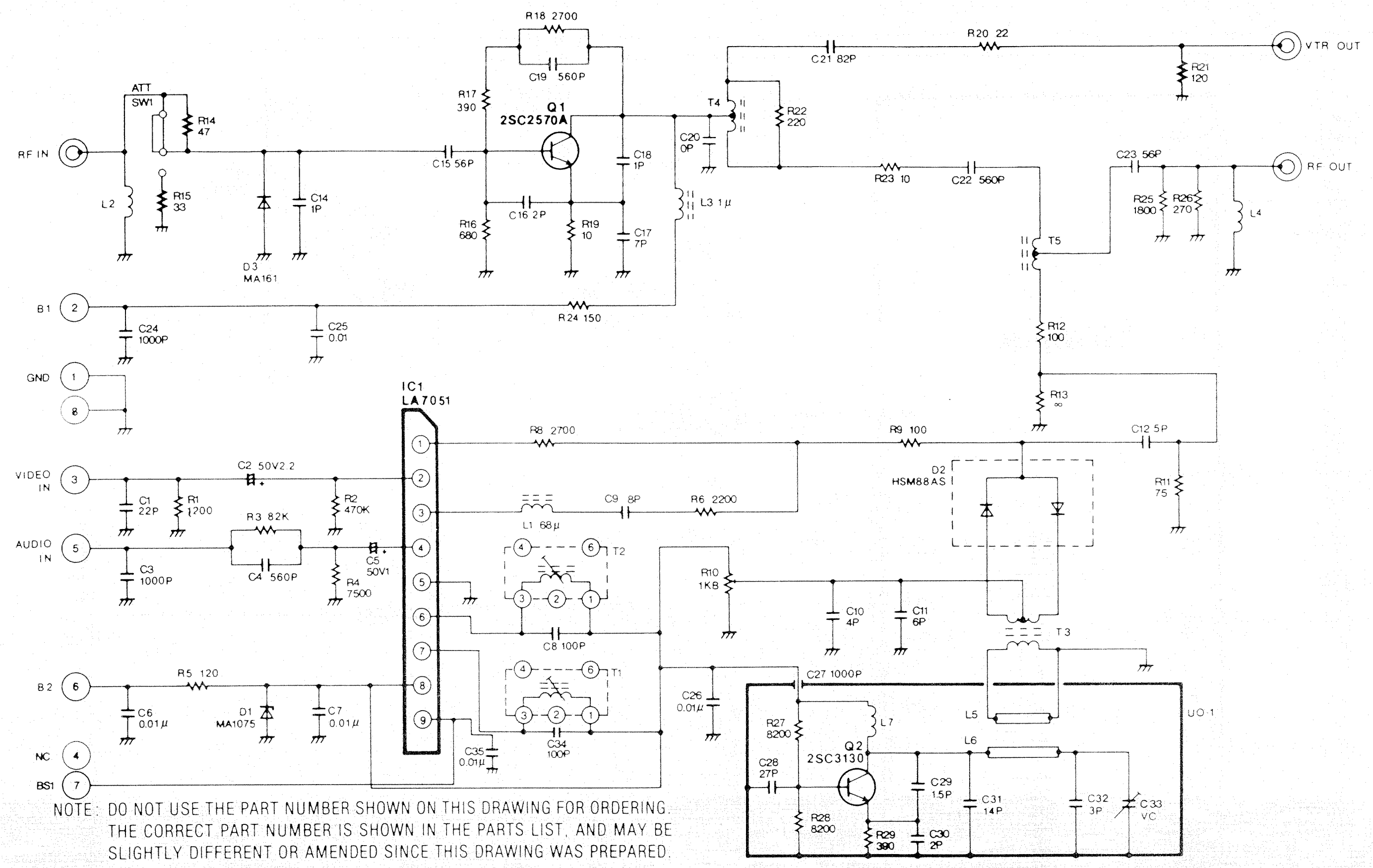
SYSTEM CONTROL SECTION	
Transistor	
Q6007	C-5
Q6009	B-5
Q6016	B-8
Q6018	C-8
Q6019	C-8
Transistor & Resistor	
QR6001	B-5
QR6004	B-4
QR6006	D-7
QR6008	C-8
QR6011	B-8
QR6012	C-6
QR6013	B-8
QR6014	B-8
Integrated Circuit	
IC6001	C-6
IC6002	B-6
IC6003	B-4
IC6004	C-6
Test Point	
TP1001	D-8
TP1002	C-7
TP6011	C-6
TP GND	B-5
TP GND	B-7
Connector	
P6001	D-7
P6002	D-6
P6003	C-4
P6004	B-4
P6005	B-4
JA	B-7

ADDRESS INFORMATION

CH SELECT INTERFACE SECTION	
Transistor	
Q7551	F-8
Q7552	E-9
Integrated Circuit	
IC7551	F-9
Test Point	
TP7504	D-8
TP7517	E-8
Connector	
P7551	F-9
P7552	F-9
P7553	F-9

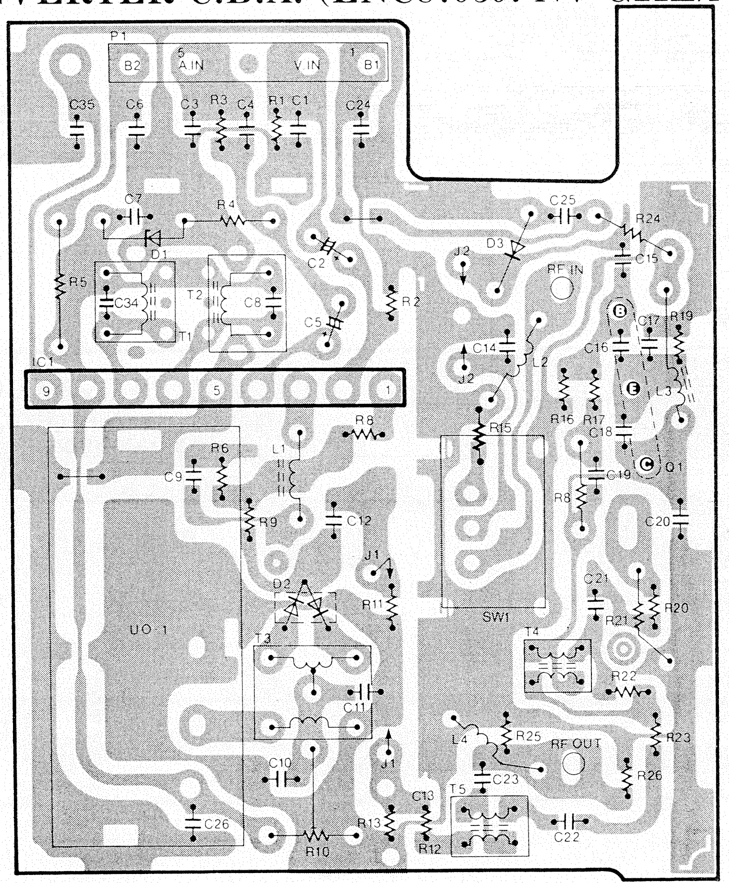
ADDRESS INFORMATION

3-13. RF CONVERTER SCHEMATIC DIAGRAM (NV-G21EE/NV-H65EE)

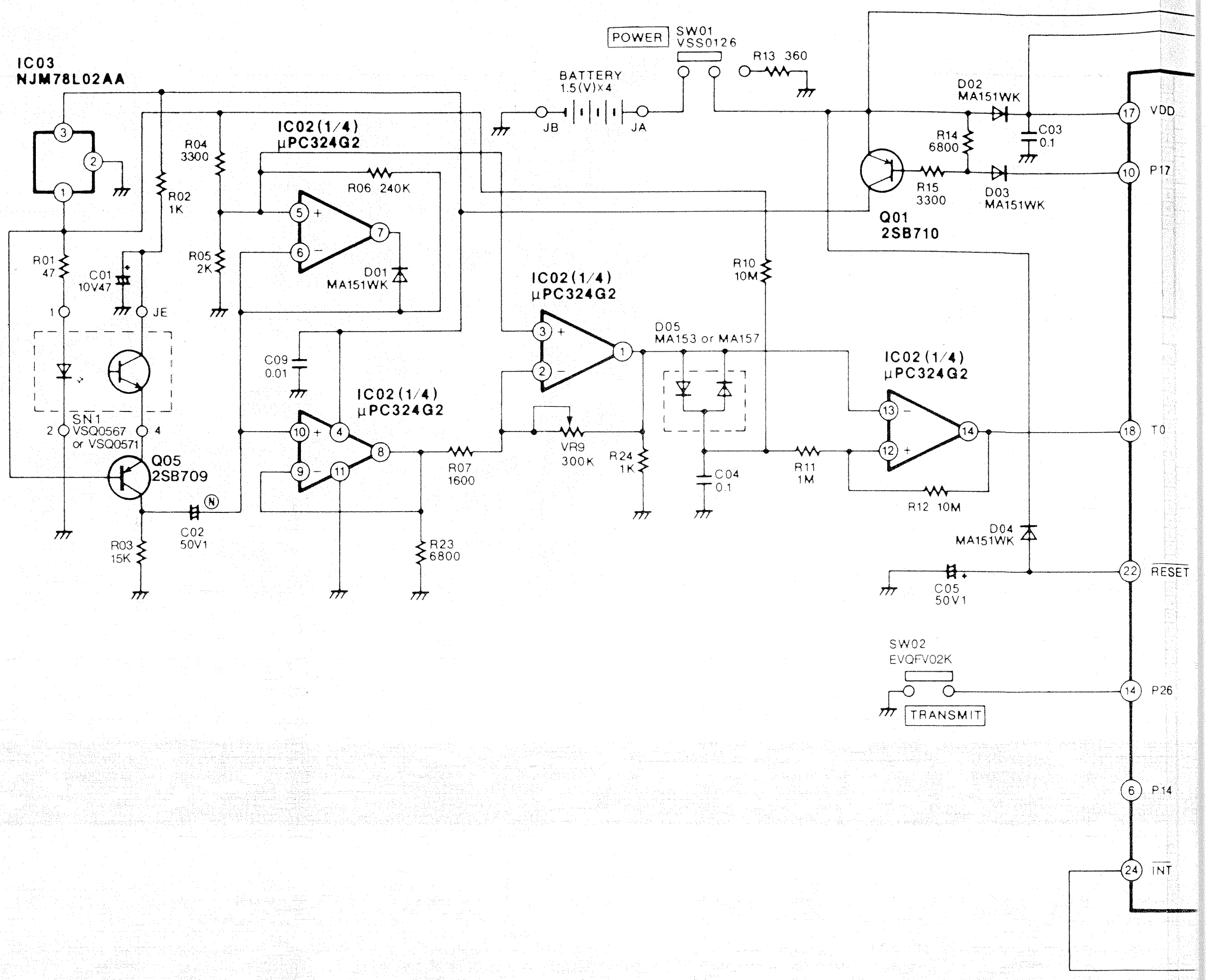

RF IN
VTR OUT
RF OUT
ATT SW1
Q1 2SC2570A
IC1 LA7051
D2 HSM88AS
Q2 2SC3130
D3 MA161
D1 MA1075
B1
GND
VIDEO IN
AUDIO IN
B2
NC
BS1
UO-1
T1
T2
T3
T4
T5
L1 68μ
L3 1μ
R18 2700
R20 22
C21 82P
C22 560P
R24 150
R8 2700
R9 100
R5 120

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

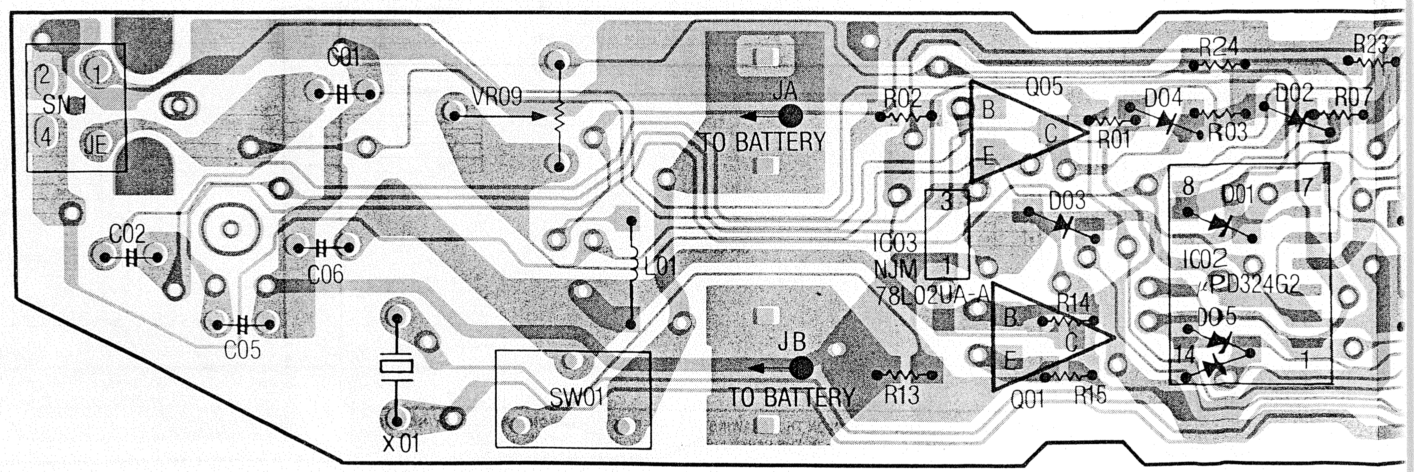
3-14. RF CONVERTER C.B.A. (ENC87959: NV-G21E/NV-H65EE)


P1
B2
A IN
V IN
B1
IC1
UO-1
RF IN
RF OUT
SW1
Q1

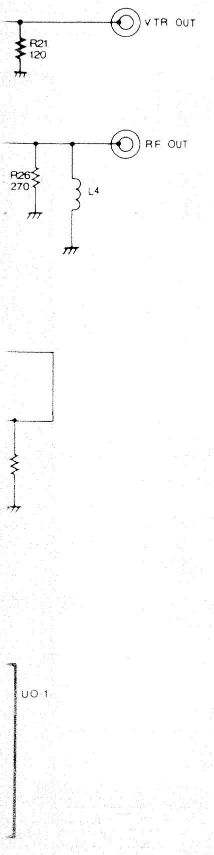
3-15. DIGITAL SCANNER SCHEMATIC DIAGRAM (NV-G21EE)


IC03 NJM78L02AA
POWER
SW01 VSS0126
BATTERY 1.5(V)×4
JB
JA
IC02(1/4) μPC324G2
Q01 2SB710
Q05 2SB709
SN1 VSQ0567 or VSQ0571
D01 MA151WK
D02 MA151WK
D03 MA151WK
D04 MA151WK
D05 MA153 or MA157
VR9 300K
SW02 EVQFV02K
TRANSMIT
VDD
P17
T0
RESET
P26
P14
INT

3-16. DIGITAL SCANNER C.B.A. (VEQ0639: NV-G21EE)

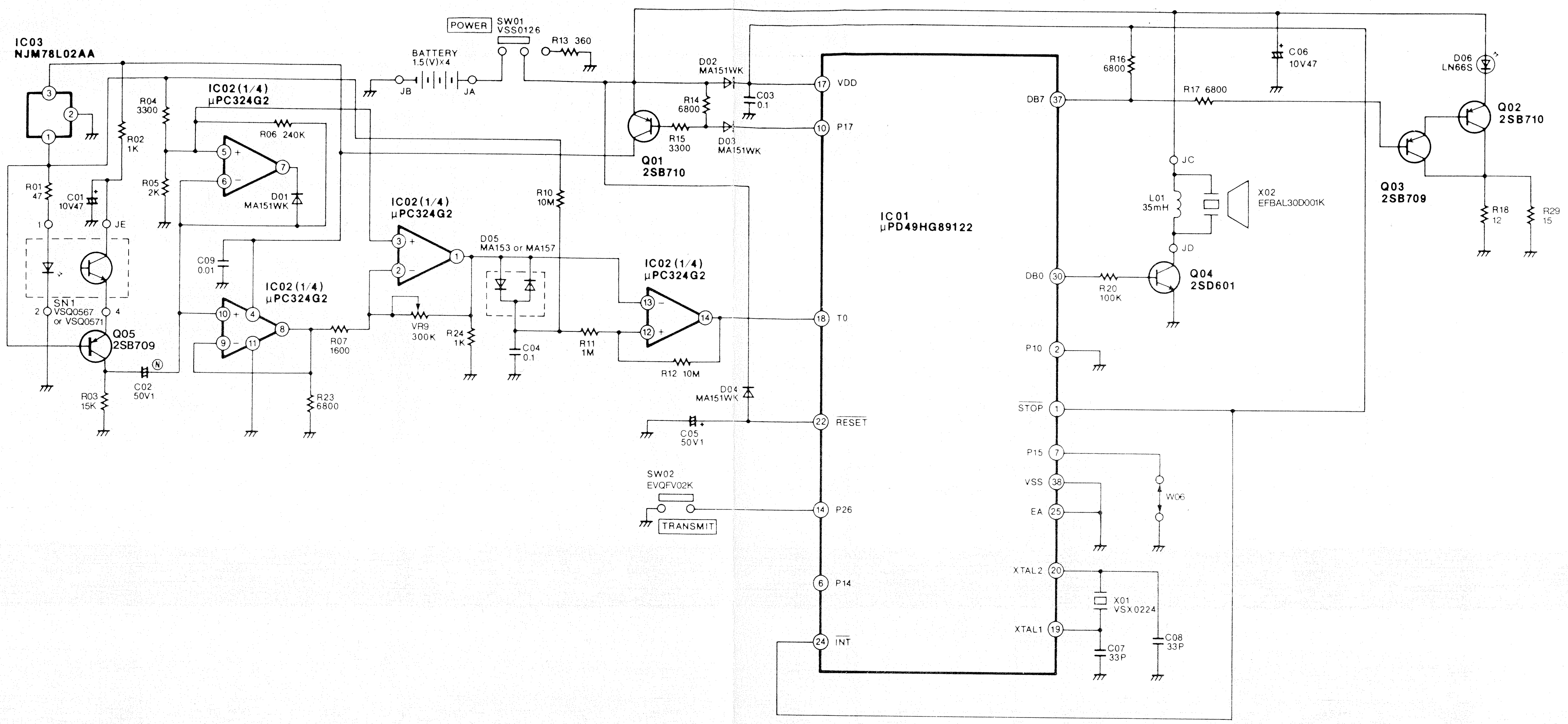

SN1
C01
VR09
JA
TO BATTERY
JB
SW01
X01
IC03 NJM 78L02UA-A
Q05
Q01
IC02 μPD324G2
C02
C05
C06
L01

H65EE)



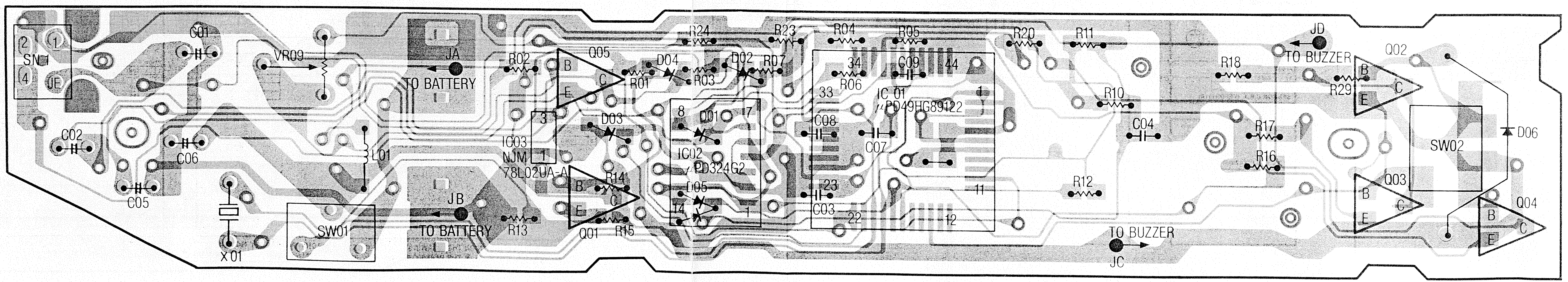
VTR OUT
R21
120
RF OUT
R26
270
L4
UO1

3-15. DIGITAL SCANNER SCHEMATIC DIAGRAM (NV-G21EE)



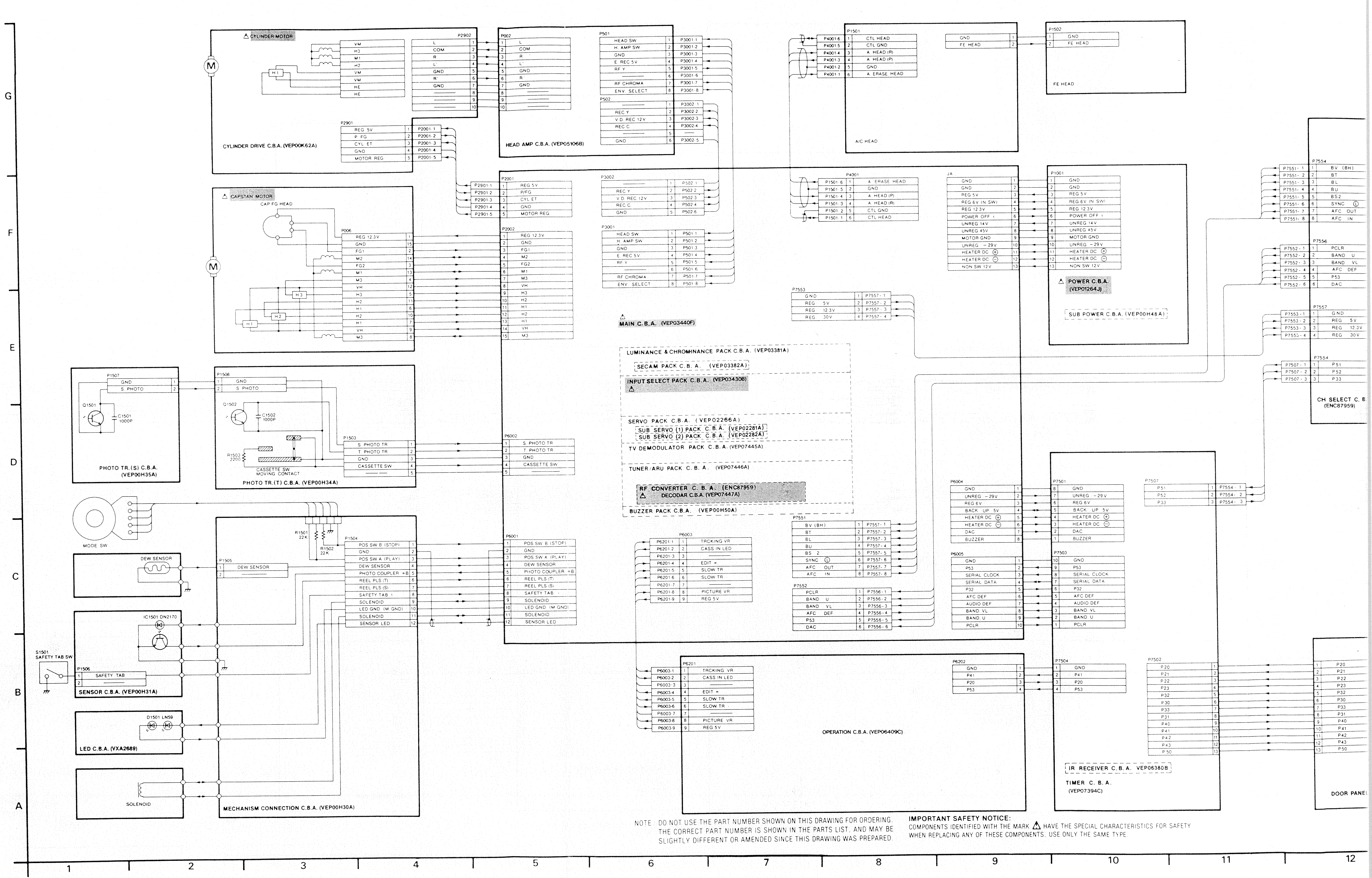
IC03
NJM78L02AA
POWER
SW01
VSS0126
R13 360
BATTERY
1.5(V)×4
JB
JA
IC02(1/4)
μPC324G2
R04
3300
R06 240K
R02
1K
R01
47
C01
10V47
JE
R05
2K
D01
MA151WK
SN1
VSQ0567
or VSQ0571
Q05
2SB709
R03
15K
C02
50V1
C09
0.01
R07
1600
R23
6800
VR9
300K
R24
1K
D05
MA153 or MA157
C04
0.1
R10
10M
R11
1M
R12 10M
D02
MA151WK
R14
6800
R15
3300
D03
MA151WK
C03
0.1
Q01
2SB710
D04
MA151WK
C05
50V1
SW02
EVQFV02K
TRANSMIT
IC01
μPD49HG89122
VDD
P17
T0
RESET
P26
P14
INT
DB7
DB0
P10
STOP
P15
VSS
EA
XTAL2
XTAL1
R16
6800
C06
10V47
R17 6800
JC
L01
35mH
X02
EFBAL30D001K
JD
R20
100K
Q04
2SD601
W06
X01
VSX0224
C07
33P
C08
33P
D06
LN66S
Q02
2SB710
Q03
2SB709
R18
12
R29
15

3-16. DIGITAL SCANNER C.B.A. (VEQ0639: NV-G21EE)



SN1
JE
C01
C02
C06
C05
VR09
L01
X01
SW01
JA
TO BATTERY
JB
TO BATTERY
R02
Q05
D04
R01
R03
D03
IC03
NJM
78L02UA-A
R14
R13
Q01
R15
D02
R07
R24
R23
D01
IC02
μPD324G2
D05
R04
R05
R06
C09
IC 01
μPD49HG89122
C08
C07
C03
R20
R11
R10
C04
R12
R18
JD
TO BUZZER
R29
R17
R16
Q02
Q03
Q04
SW02
D06
TO BUZZER
JC

3-17. INTERCONNECTION SCHEMATIC DIAGRAM (NV-G21EE)

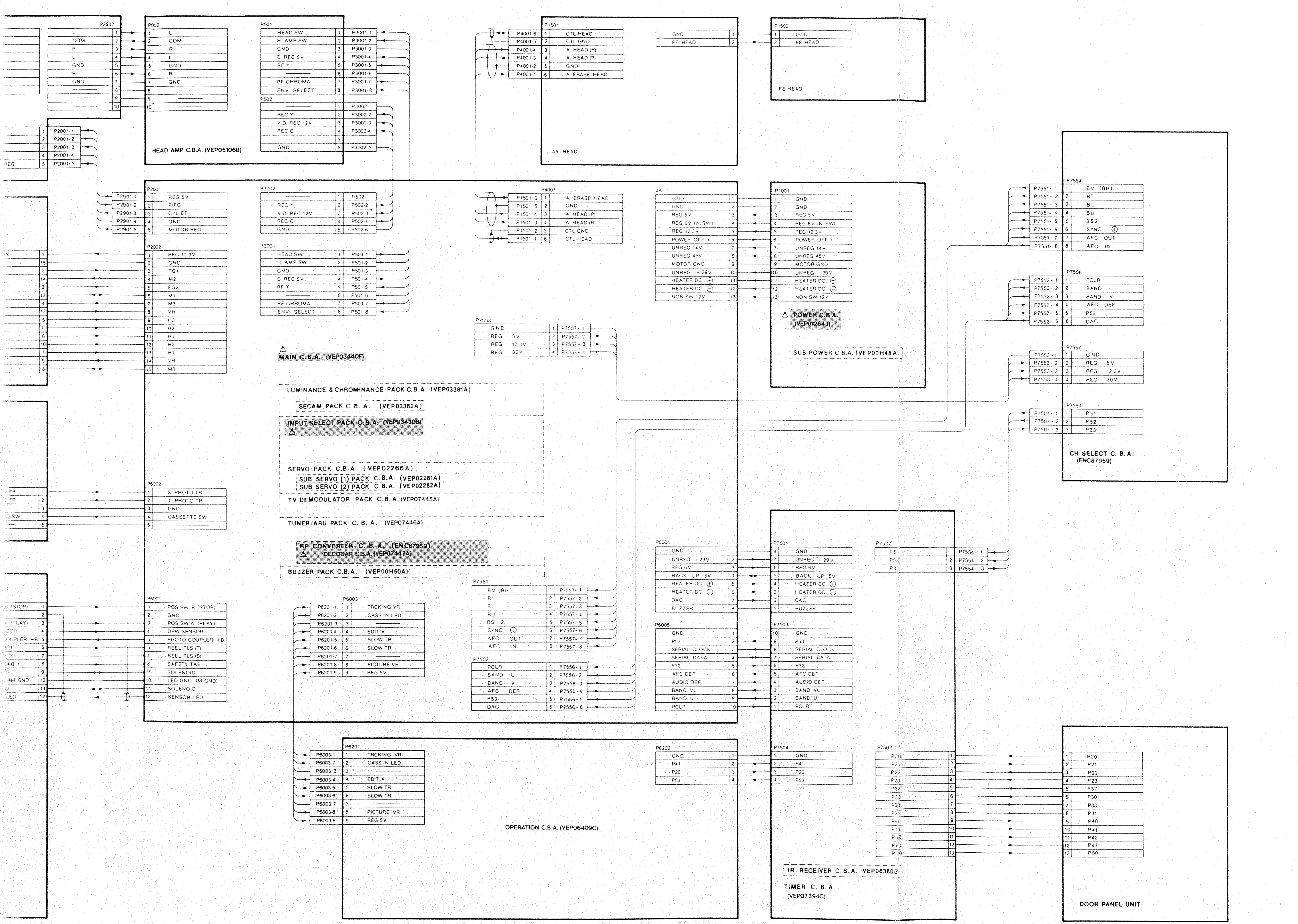


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
CYLINDER MOTOR
CYLINDER DRIVE C.B.A. (VEP00K62A)
P2902
P2901
REG 5V
P. FG
CYL ET
GND
MOTOR REG
CAPSTAN MOTOR
CAP FG HEAD
P006
HEAD AMP C.B.A. (VEP05106B)
P002
P501
P502
HEAD SW
H. AMP SW
E. REC 5V
RF Y
RF CHROMA
ENV. SELECT
REC Y
V.D. REC 12V
REC C
P2001
P2002
P3002
P3001
P1501
P1502
A/C HEAD
FE HEAD
CTL HEAD
CTL GND
A. HEAD (R)
A. HEAD (P)
A. ERASE HEAD
P4001
P1001
POWER C.B.A. (VEP01264J)
SUB POWER C.B.A. (VEP00H48A)
MAIN C.B.A. (VEP03440F)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03381A)
SECAM PACK C.B.A. (VEP03382A)
INPUT SELECT PACK C.B.A. (VEP03430B)
SERVO PACK C.B.A. (VEP02266A)
SUB SERVO (1) PACK C.B.A. (VEP02281A)
SUB SERVO (2) PACK C.B.A. (VEP02282A)
TV DEMODULATOR PACK C.B.A. (VEP07445A)
TUNER/ARU PACK C.B.A. (VEP07446A)
RF CONVERTER C.B.A. (ENC87959)
DECODAR C.B.A. (VEP07447A)
BUZZER PACK C.B.A. (VEP00H50A)
P7553
P7551
P7552
P7554
P7556
P7557
CH SELECT C.B. (ENC87959)
PHOTO TR.(S) C.B.A. (VEP00H35A)
PHOTO TR.(T) C.B.A. (VEP00H34A)
P1507
P1506
P1503
S. PHOTO TR
T. PHOTO TR
CASSETTE SW
MOVING CONTACT
MODE SW
DEW SENSOR
P1505
P1504
R1501 22K
R1502 22K
POS SW B (STOP)
POS SW A (PLAY)
PHOTO COUPLER +B
REEL PLS (T)
REEL PLS (S)
SAFETY TAB
SOLENOID
LED GND (M GND)
SENSOR LED
S1501 SAFETY TAB SW
SENSOR C.B.A. (VEP00H31A)
IC1501 DN2170
D1501 LN59
LED C.B.A. (VXA2689)
MECHANISM CONNECTION C.B.A. (VEP00H30A)
P6002
P6001
P6003
P6201
TRCKING VR
CASS IN LED
EDIT
SLOW TR
PICTURE VR
OPERATION C.B.A. (VEP06409C)
P6004
P6005
P6202
P7501
P7503
P7504
P7502
P7507
SERIAL CLOCK
SERIAL DATA
AFC DEF
AUDIO DEF
BAND VL
BAND U
PCLR
IR RECEIVER C.B.A. VEP06380B
TIMER C.B.A. (VEP07394C)
DOOR PANE

NOTE : DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE

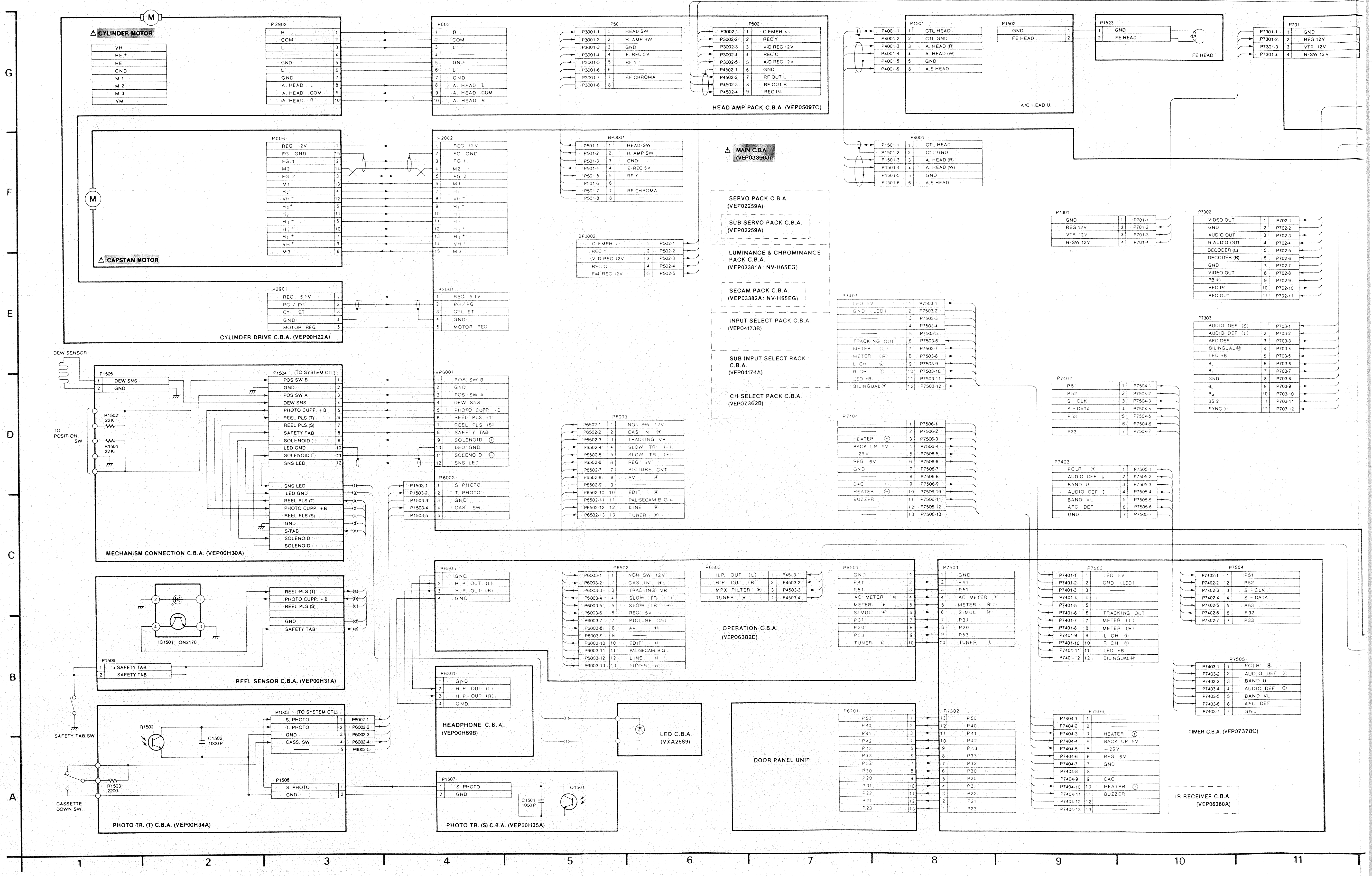
DIAGRAM (NV-G21EE)

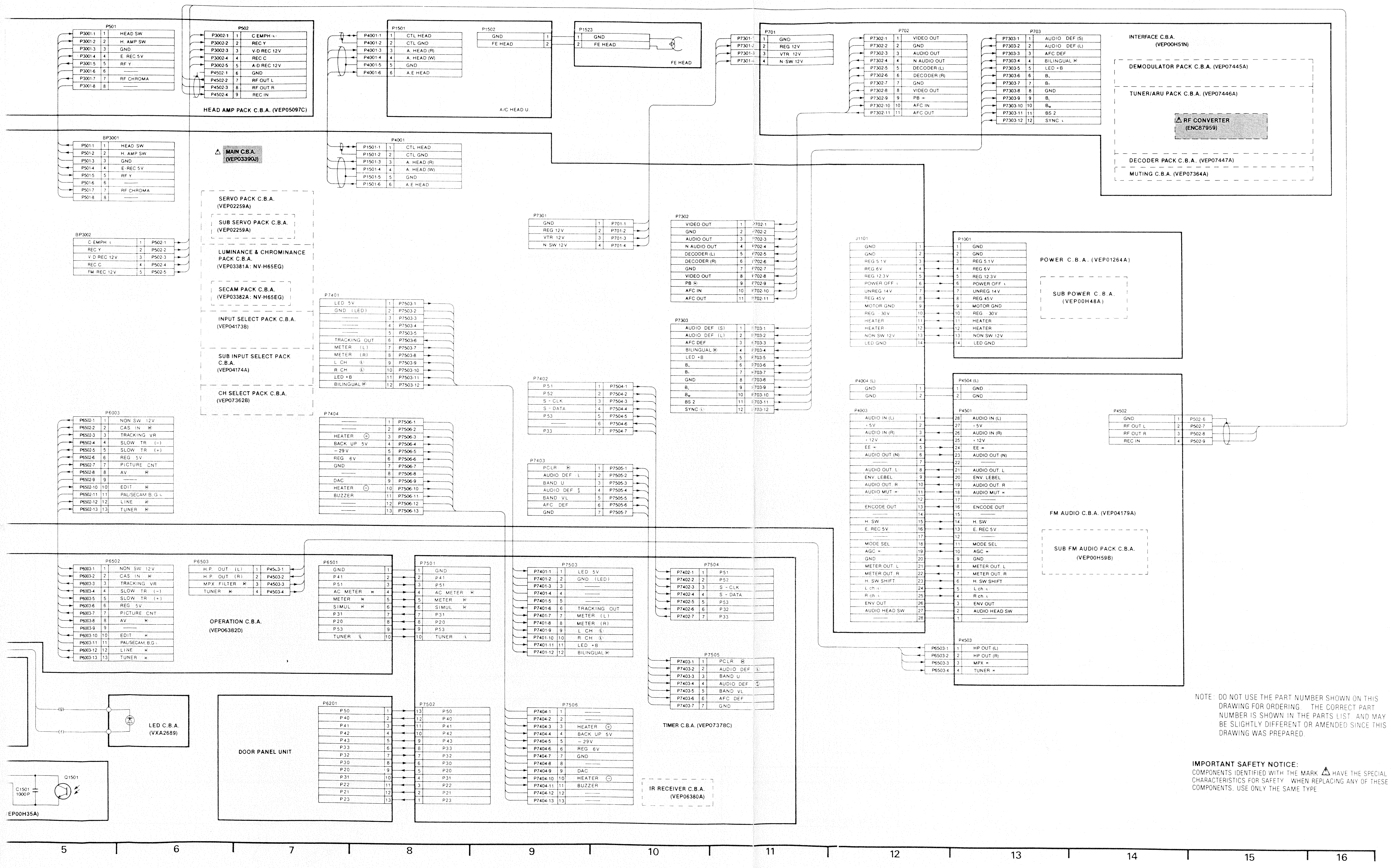

HEAD AMP C.B.A. (VEP05106B)
A/C HEAD
FE HEAD
MAIN C.B.A. (VEP03440F)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03381A)
SECAM PACK C.B.A. (VEP03382A)
INPUT SELECT PACK C.B.A. (VEP03430B)
SERVO PACK C.B.A. (VEP02266A)
SUB SERVO (1) PACK C.B.A. (VEP02281A)
SUB SERVO (2) PACK C.B.A. (VEP02282A)
TV DEMODULATOR PACK C.B.A. (VEP07445A)
TUNER/ARU PACK C.B.A. (VEP07446A)
RF CONVERTER C.B.A. (ENC87959)
DECODAR C.B.A. (VEP07447A)
BUZZER PACK C.B.A. (VEP00H50A)
POWER C.B.A. (VEP01264J)
SUB POWER C.B.A. (VEP00H48A)
CH SELECT C.B.A. (ENC87959)
OPERATION C.B.A. (VEP06409C)
IR RECEIVER C.B.A. VEP06380E
TIMER C.B.A. (VEP07394C)
DOOR PANEL UNIT
P002
P501
P502
P2902
P2001
P2002
P3002
P3001
P1501
P4001
P1502
P1001
JA
P7553
P7554
P7556
P7557
P6002
P6001
P6003
P7551
P7552
P6004
P6005
P7501
P7503
P7507
P6201
P6202
P7504
P7502
HEAD SW
H. AMP SW
GND
E. REC 5V
RF Y
RF CHROMA
ENV. SELECT
REC Y
V.D. REC 12V
REC C
REG 5V
P/FG
CYL ET
MOTOR REG
REG 12.3V
FG1
M1
M2
M3
FG2
VH
H1
H2
H3
CTL HEAD
CTL GND
A. HEAD (R)
A. HEAD (P)
A. ERASE HEAD
FE HEAD
REG 6V (N.SW)
POWER OFF
UNREG 14V
UNREG 45V
MOTOR GND
UNREG −29V
HEATER DC ⊕
HEATER DC ⊖
NON SW 12V
BV (BH)
BT
BL
BU
BS2
SYNC
AFC OUT
AFC IN
PCLR
BAND U
BAND VL
AFC DEF
P53
DAC
REG 30V
P51
P52
P33
S. PHOTO TR
T. PHOTO TR
CASSETTE SW
POS SW B (STOP)
POS SW A (PLAY)
DEW SENSOR
PHOTO COUPLER +B
REEL PLS (T)
REEL PLS (S)
SAFETY TAB
SOLENOID
LED GND (M GND)
SENSOR LED
TRCKING VR
CASS IN LED
EDIT
SLOW TR
PICTURE VR
REG 6V
BACK UP 5V
BUZZER
SERIAL CLOCK
SERIAL DATA
P32
AUDIO DEF
P41
P20
P21
P22
P23
P30
P31
P40
P42
P43
P50
4
5
6
7
8
9
10
11
12
13

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

3-18. INTERCONNECTION SCHEMATIC DIAGRAM (NV-H65EE)


CYLINDER MOTOR
CAPSTAN MOTOR
CYLINDER DRIVE C.B.A. (VEP00H22A)
DEW SENSOR
TO POSITION SW
MECHANISM CONNECTION C.B.A. (VEP00H30A)
REEL SENSOR C.B.A. (VEP00H31A)
IC1501 ON2170
SAFETY TAB SW
CASSETTE DOWN SW.
PHOTO TR. (T) C.B.A. (VEP00H34A)
PHOTO TR. (S) C.B.A. (VEP00H35A)
HEADPHONE C.B.A. (VEP00H69B)
LED C.B.A. (VXA2689)
HEAD AMP PACK C.B.A. (VEP05097C)
MAIN C.B.A. (VEP03390J)
SERVO PACK C.B.A. (VEP02259A)
SUB SERVO PACK C.B.A. (VEP02259A)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03381A: NV-H65EG)
SECAM PACK C.B.A. (VEP03382A: NV-H65EG)
INPUT SELECT PACK C.B.A. (VEP04173B)
SUB INPUT SELECT PACK C.B.A. (VEP04174A)
CH SELECT PACK C.B.A. (VEP07362B)
OPERATION C.B.A. (VEP06382D)
DOOR PANEL UNIT
A/C HEAD U.
FE HEAD
TIMER C.B.A. (VEP07378C)
IR RECEIVER C.B.A. (VEP06380A)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11


HEAD AMP PACK C.B.A. (VEP05097C)
P501
P502
HEAD SW
H. AMP SW
GND
E. REC 5V
RF Y
RF CHROMA
C EMPH
REC Y
V-D REC 12V
REC C
A-D REC 12V
RF OUT L
RF OUT R
REC IN
P1501
CTL HEAD
CTL GND
A. HEAD (R)
A. HEAD (W)
A.E HEAD
P1502
FE HEAD
P1523
A/C HEAD U.
P701
REG 12V
VTR 12V
N. SW 12V
P702
VIDEO OUT
AUDIO OUT
N AUDIO OUT
DECODER (L)
DECODER (R)
PB
AFC IN
AFC OUT
P703
AUDIO DEF (S)
AUDIO DEF (L)
AFC DEF
BILINGUAL
LED +B
BS 2
SYNC
INTERFACE C.B.A. (VEP00H51N)
DEMODULATOR PACK C.B.A. (VEP07445A)
TUNER/ARU PACK C.B.A. (VEP07446A)
RF CONVERTER (ENC87959)
DECODER PACK C.B.A. (VEP07447A)
MUTING C.B.A. (VEP07364A)
BP3001
P4001
MAIN C.B.A. (VEP03390J)
SERVO PACK C.B.A. (VEP02259A)
SUB SERVO PACK C.B.A. (VEP02259A)
LUMINANCE & CHROMINANCE PACK C.B.A. (VEP03381A: NV-H65EG)
SECAM PACK C.B.A. (VEP03382A: NV-H65EG)
INPUT SELECT PACK C.B.A. (VEP04173B)
SUB INPUT SELECT PACK C.B.A. (VEP04174A)
CH SELECT PACK C.B.A. (VEP07362B)
BP3002
P7301
P7302
P7303
P7401
P7402
P7403
P7404
J1101
P1001
POWER C.B.A. (VEP01264A)
SUB POWER C.B.A. (VEP00H48A)
REG 5.1V
REG 6V
REG 12.3V
POWER OFF
UNREG 14V
REG 45V
MOTOR GND
REG 30V
HEATER
NON SW 12V
LED GND
P4004 (L)
P4504 (L)
P4003
P4501
P4502
P4503
FM AUDIO C.B.A. (VEP04179A)
SUB FM AUDIO PACK C.B.A. (VEP00H59B)
AUDIO IN (L)
AUDIO IN (R)
AUDIO OUT (N)
AUDIO OUT L
ENV. LEBEL
AUDIO OUT R
AUDIO MUT
ENCODE OUT
H. SW
E. REC 5V
MODE SEL
AGC
METER OUT L
METER OUT R
H. SW SHIFT
ENV OUT
AUDIO HEAD SW
HP OUT (L)
HP OUT (R)
MPX
TUNER
P6003
P6502
NON SW 12V
CAS IN
TRACKING VR
SLOW TR (−)
SLOW TR (+)
REG 5V
PICTURE CNT
AV
EDIT
PAL/SECAM B.G.
LINE
P6503
OPERATION C.B.A. (VEP06382D)
P6501
P7501
P7503
P7504
P7505
P7506
P7502
P6201
TIMER C.B.A. (VEP07378C)
IR RECEIVER C.B.A. (VEP06380A)
DOOR PANEL UNIT
LED C.B.A. (VXA2689)
Q1501
C1501 1000P
EP00H35A)
5
6
7
8
9
10
11
12
13
14
15
16

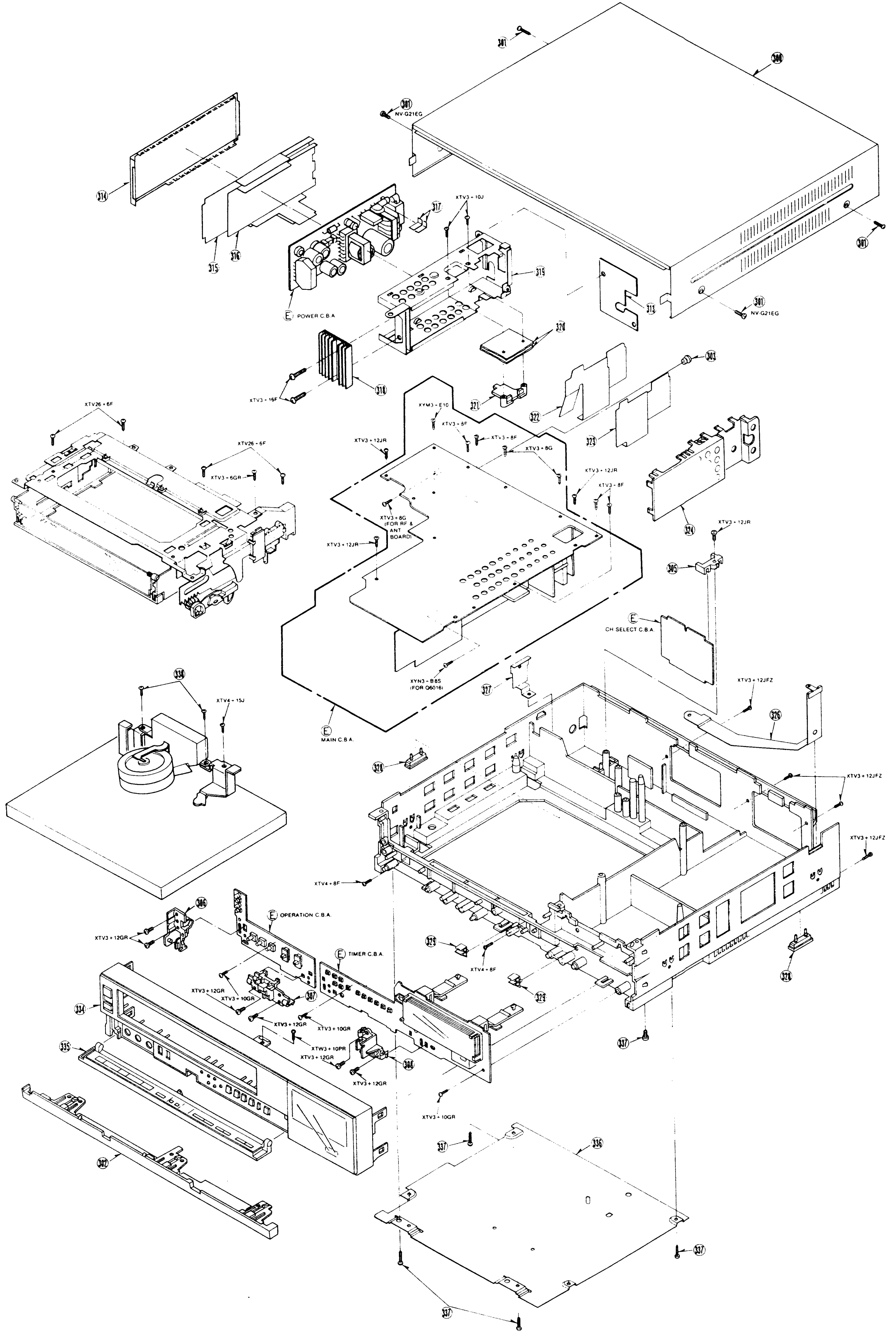
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

4. EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW

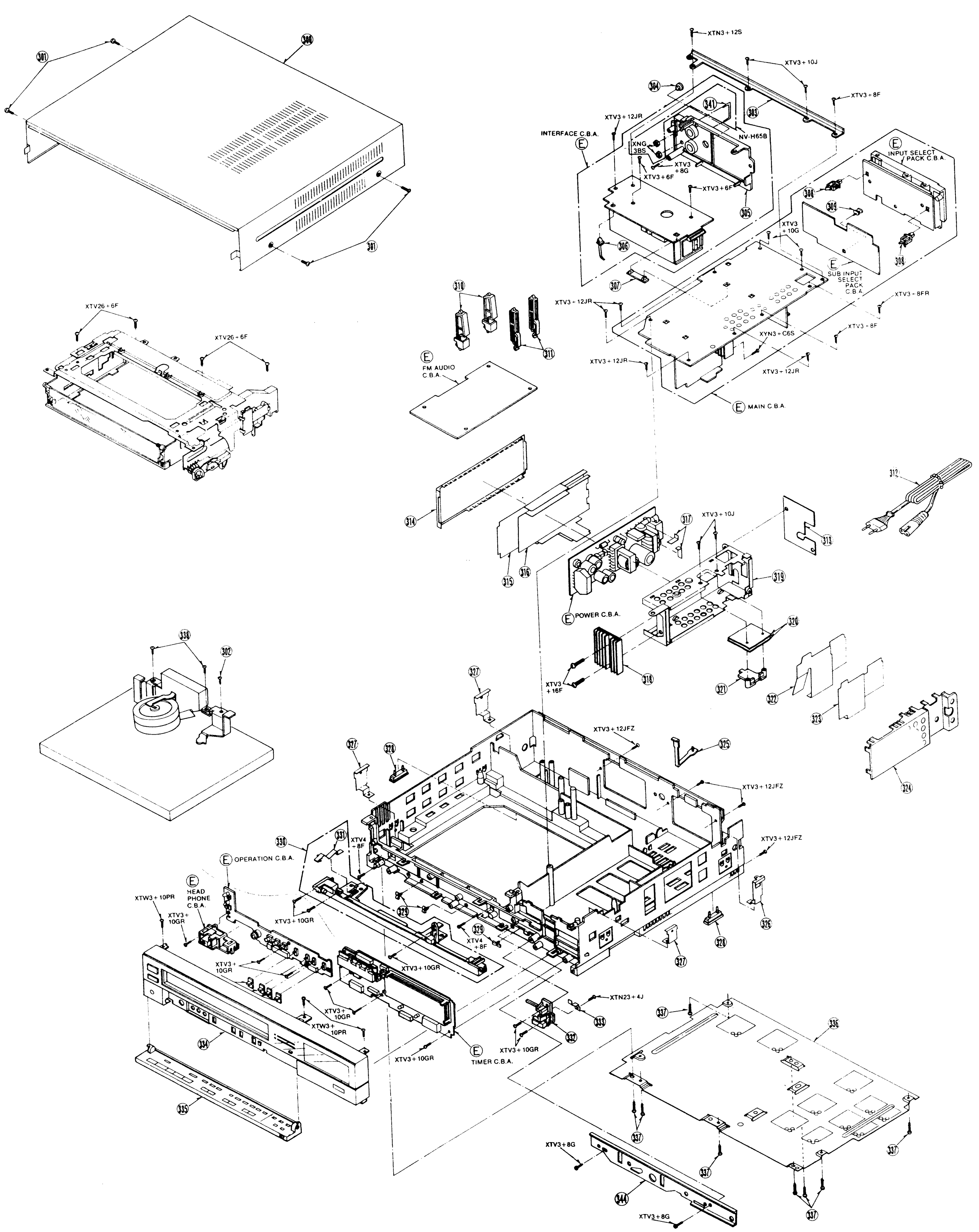
❹ CASING PARTS SECTION (NV-G21EE)



NV-G21EG
POWER C.B.A.
XTV3 + 10J
XTV3 + 16F
XTV26 + 6F
XTV3 + 6GR
XYN3 + E10
XTV3 + 12JR
XTV3 + 8F
XTV3 + 8G
XTV3 + 8G (FOR RF & ANT BOARD)
XYN3 + B8S (FOR Q6016)
CH SELECT C.B.A.
MAIN C.B.A.
XTV4 + 15J
XTV3 + 12JFZ
XTV4 + 8F
OPERATION C.B.A.
TIMER C.B.A.
XTV3 + 12GR
XTV3 + 10GR
XTV3 + 10PR

4-2.

❹ CASING PARTS SECTION (NV-H65EE)



XTN3 + 12S
XTV3 + 10J
XTV3 + 8F
XTV3 + 12JR
INTERFACE C.B.A.
NV-H65B
XNG 3BS
XTV3 + 8G
XTV3 + 6F
INPUT SELECT PACK C.B.A.
XTV3 + 10G
SUB INPUT SELECT PACK C.B.A.
XTV3 + 8FR
XYN3 + C6S
MAIN C.B.A.
XTV26 + 6F
FM AUDIO C.B.A.
POWER C.B.A.
XTV3 + 16F
XTV3 + 12JFZ
XTV4 + 8F
OPERATION C.B.A.
HEAD PHONE C.B.A.
XTW3 + 10PR
XTV3 + 10GR
XTN23 + 4J
TIMER C.B.A.
XTV3 + 8G

PARTS

1. NV-G21

Note:1.* Be sure to
list.
2.IMPORTANT SA
Components i
tics for saf
same type.
3.Unless other
All resistor
FARADS(uf),P
4.The P.C.Boar

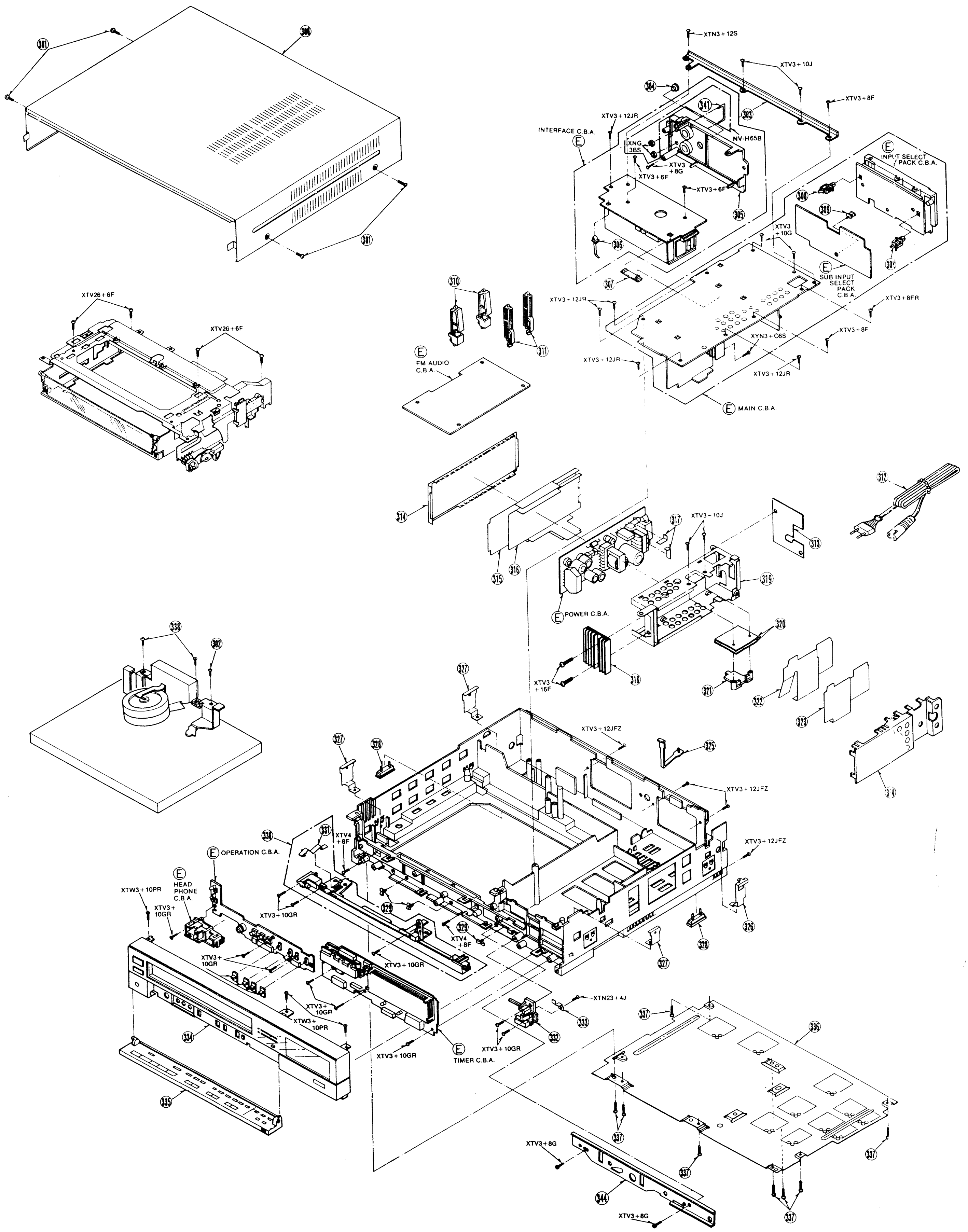
Ref.No.		Par
		VEP034
		VEP022
		VEP022
		VEP027
		VEP033
		VEP033
		VEP051
		VEP034
		VEP064
		VEP073
		VEP074
		VEP074

To guarantee the F
PARTS which are li

XTV3+12JFZ
XTV3+12JFZ

4-2.

❹ CASING PARTS SECTION (NV-H65EE)



PARTS LIST MODEL NO.: NV-G21EE

1. NV-G21EE Mechanical Replacement Parts List

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03440F	MAIN C.B.A. (SYSTEM COMTROL,SERVO, LUMINANCE & CHROMINANCE, AUDIO,POWER,DEMODULATOR, TUNER,INPUT SELECT,BUZZER)	1	<!> INCLUDING THE SERVO PACK C.B.A. (VEP02266A),SUB SERVO (1) PACK C.B.A (VEP02281A),SUB SERVO (2) PACK C.B.A (VEP02282A), LUMINANCE & CHROMINANCE PACK C.B.A.(VEP03381A), SECAM PACK C.B.A. (VEP03382A),INPUT SELECT PACK C.B.A. (VEP03432B), TV DEMODULATOR PACK C.B.A.(VEP07445A), TUNER ARU PACK C.B.A.(VEP07446A) DECODER PACK C.B.A. (VEP07447A), BUZZER PACK C.B.A. (VEP00H50A)
		VEP02266A	SERVO PACK C.B.A.	1	INCLUDING THE SUB SERVO (1) PACK C.B.A. (VEP02281A), SUB SERVO (2) PACK C.B.A. (VEP02282A) PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP02281A	SUB SERVO (1) PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP02282A	SUB SERVO (2) PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP03381A	LUMINANCE & CHROMINANC PACK C.B.A.	1	INCLUDING THE SECAM PACK C.B.A. (VEP03382A), PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP03382A	SECAM PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP05106B	HEAD AMP PACK C.B.A.	1	
		VEP03432B	INPUT SELECT PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP06409C	OPERATION C.B.A.	1	
		VEP07394C	TIMER C.B.A.	1	
		VEP07445A	TV DEMODULATOR PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP07446A	TUNER ARU PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
					INCLUDING THE RF CONVERTER UNIT (ENC87959)
		VEP07447A	DECODER PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP07364A	MUTING C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP01264J	POWER C.B.A.	1	<!> INCLUDING THE SUB POWER C.B.A. (VEP00H48A)
		VEP00H48A	SUB POWER C.B.A.	1	PART LIST IS INCLUDED IN POWER C.B.A.
		VEP07395C	CHANNEL SELECT C.B.A.	1	
		ENC87959	RF CONVERTER	1	<!>
		TNV79461F2	TUNER	1	<!>
		VEP06380B	IR RECEIEVER C.B.A.	1	PART LIST IS INCLUDED IN TIMER C.B.A.
		VEP22014A	REMOTE CONTROL UNIT C.B.A.	1	
		VEP66033C	DIGITAL SCANNER C.B.A.	1	
		VEP00H50A	BUZZER PACK C.B.A.	1	PART LIST IS
		VEP00K62A	CYLINDER DRIVE C.B.A.	1	
		VEP00J52A	MECHANISM CONNECTION C.B.A.	1	
		VEP00H31A	REEL SENSOR C.B.A.	1	
		VXA2689	LED C.B.A.	1	
		VEP00K27A	PHOTO TR(T) C.B.A.	1	
		VEP00H35A	PHOTO TR(S) C.B.A.	1	
	■	VEP03390J	MAIN C.B.A. (SYSTEM CONTROL,SERVO, LUMINANCE & CHROMINANCE, AUDIO,CH SELECT,POWER)		INCLUDING THE SERVO PACK C.B.A. (VEP02263A),SUB SERVO PACK C.B.A (VEP02259A), LUMINANCE & CHROMINANCE PACK C.B.A.(VEP03381A), SECAM PACK C.B.A. (VEP03382A), INPUT SELECT PACK C.B.A.(VEP04173B), SUB INPUT SELECT PACK C.B.A. (VEP04174A),CH SELECT PACK C.B.A (VEP07362B)
			CAPACITORS		
C202		ECEA1HK4R7	ELECTROLYTIC 50V 4.7U	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C203		ECUX1H562KBN	CHIP 50V 5600P	1	
C204		ECEA1CKN100	ELECTROLYTIC 16V 10U	1	
C205		ECUX1E223KBN	CHIP 25V 0.022P	1	
C206		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C207		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C208		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C209		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C210		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C212		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C213		ECQV1H683JZ	MYLAR 50V 0.068U	1	
C214		ECUX1H102KBN	CHIP 50V 1000P	1	
C207		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C208		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C209		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C210		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C212		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C213		ECQV1H683JZ	MYLAR 50V 0.068U	1	
C214		ECUX1H102KBN	CHIP 50V 1000P	1	
C215		ECEA1HKNR33	ELECTROLYTIC 50V 0.33U	1	
C216		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C217		ECEA1HKR47	ELECTROLYTIC 50V 0.47U	1	
C218		ECUX1H472KBN	CHIP 50V 4700P	1	
C219		ECQV1H334JZ	MYLAR 50V 0.33U	1	
C220		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C221		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C222		ECQB1H562JH	MYLAR 50V 5600P	1	
C223		ECQB1H223JH	MYLAR 50V 0.022U	1	
C224		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C225		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C226		ECUX1H102KBN	CHIP 50V 1000P	1	
C227		ECUX1H332KBN	CHIP 50V 3300P	1	
C229		ECQB1H272JH	MYLAR 50V 2700P	1	
C230		ECEA1CKN100	ELECTROLYTIC 16V 10U	1	
C231		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C232		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C234		ECUX1H102KBN	CHIP 50V 1000P	1	
C236		ECQB1H223JH	MYLAR 50V 0.022U	1	
C237		ECQB1H562JH	MYLAR 50V 5600P	1	
C238		ECEA0JK101	ELECTROLYTIC 6.3V 100U	1	
C239		ECEA0JK221	ELECTROLYTIC 6.3V 220U	1	
C240		ECEA16Z10	ELECTROLYTIC 16V 10U	1	
C241		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C242		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C243		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C244		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C245		ECUX1H562KBN	CHIP 50V 5600P	1	
C246		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C247		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C248		ECUX1H102KBN	CHIP 50V 1000P	1	
C249		ECCF1H101JC	CERAMIC 50V 100P	1	
C250		ECCF1H271JC	CERAMIC 50V 270P	1	
C251		ECCF1H180JC	CERAMIC 50V 18P	1	
C252		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C253		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C254		VCYD1C473MR1	SEMICONDUCTOR 16V 0.047U	1	
C255		ECKF1H332KB	CERAMIC 50V 3300P	1	
C260		ECUM1H103KBN	CHIP 50V 0.001U		
C271		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C272		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C273		ECQB1H103JH	MYLAR 50V 0.01U	1	
C301		ECUX1H271KBN	CHIP 50V 270P	1	
C302		ECEA0JU331	ELECTROLYTIC 6.3V 330U	1	
C303		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C304		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C305		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C306		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C307		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C309		ECUX1H560JCN	CHIP 50V 56P	1	
C310		ECUX1H820JCN	CHIP 50V 82P	1	
C311		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C312		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C313		ECUX1H100DCN	CHIP 50V 10P	1	
C314		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C315		ECEA1EKN2R2	ELECTROLYTIC 25V 2.2U	1	
C316		ECUX1H180JCN	CHIP 50V 18P	1	
C317		ECUX1H180JCN	CHIP 50V 18P	1	
C318		ECUX1H180JCN	CHIP 50V 18P	1	
C319		ECUX1H180JCN	CHIP 50V 18P	1	
C321		ECUX1H040CCN	CHIP 50V 4P	1	
C322		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C323		ECUX1H120JCN	CHIP 50V 12P	1	
C325		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C326		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C328		ECEA1HK0R1	ELECTROLYTIC 50V 0.1U	1	
C330		ECUX1H220JCN	CHIP 50V 22P	1	
C331		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C332		ECUX1H680JCN	CHIP 50V 68P	1	
C333		ECUX1H151JCN	CHIP 50V 150P	1	
C334		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C335		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C336		ECUX1H470JCN	CHIP 50V 47P	1	
C337		ECUX1H100DCN	CHIP 50V 10P	1	
C701		ECEA1CKS220	ELECTROLYTIC 16V 22U	1	
C702		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C703		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C707		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C708		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C709		ECKF1H103ZF	CERAMIC 50V 0.001U	1	
C714		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C715		ECUX1H103ZF	CHIP 50V 0.01U	1	
C716		ECUX1H103ZF	CHIP 50V 0.01U	1	
C717		ECUX1H103ZF	CHIP 50V 0.01U	1	
C718		ECUX1H103ZF	CHIP 50V 0.01U	1	
C719		ECUX1H103ZF	CHIP 50V 0.01U	1	
C720		ECUX1H103ZF	CHIP 50V 0.01U	1	
C721		ECEA1HKR27	ELECTROLYTIC 50V 0.27U	1	
C722		ECUX1H103ZF	CHIP 50V 0.01U	1	
C723		ECUX1H150JC	CHIP 50V 15P	1	
C725		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C727		ECUX1H080DCN	CHIP 50V 80P	1	
C728		ECUX1H103ZF	CHIP 50V 0.01U	1	
C730		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C731		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C732		ECQV1H224JZ	MYLAR 50V 0.22U	1	
C734		ECUX1H103ZF	CHIP 50V 0.01U	1	
C735		ECUX1H070DCN	CHIP 50V 7P	1	
C736		ECQB1H103JH	MYLAR 50V 0.01U	1	
C737		ECUX1H151JC	CHIP 50V 150P	1	
C739		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C740		ECUX1H103ZF	CHIP 50V 0.01U	1	
C741		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C742		ECUX1H030DCN	CHIP 50V 3P	1	
C743		ECUX1H270JSN	CHIP 50V 27P	1	
C744		ECEA1HKR47	ELECTROLYTIC 50V 0.47U	1	
C745		ECUX1H680JPN	CHIP 50V 68P	1	
C746		ECUX1H150JC	CHIP 50V 15P	1	
C747		ECUX1H103ZF	CHIP 50V 0.01U	1	
C748		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C749		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C760		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C764		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C801		ECUX1H391KBN	CHIP 50V 390P	1	
C802		ECQB1H223JH	MYLAR 50V 0.022U	1	
C803		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C804		ECUX1H270JCN	CHIP 50V 27P	1	
C805		ECUX1H471KBN	CHIP 50V 470P	1	
C806		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C807		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C808		ECEA10Z100	ELECTROLYTIC 10V 10U	1	
C809		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C810		ECUX1H050CCN	CHIP 50V 5P	1	
C811		ECUX1H102KBN	CHIP 50V 1000P	1	
C812		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C813		ECQV1H154JZ	MYLAR 50V 0.15U	1	
C814		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C815		ECUX1H471KBN	CHIP 50V 470P	1	
C816		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C817		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C818		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C819		ECUX1H103ZFN	CHIP 50V 0.01U	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C820		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C821		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C822		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C823		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C824		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C825		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C826		ECUX1H820JCN	CHIP 50V 82P	1	
C827		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C851		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C852		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C853		ECEA10Z47	ELECTROLYTIC 10V 47U	1	
C854		ECQV1H563JZ	MYLAR 50V 0.056U	1	
C855		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C856		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C857		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C858		ECKF1H681KB	CERAMIC 50V 680P	1	
C2001		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2002		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2003		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2004		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2005		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2006		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2007		ECQB1H223JH	MYLAR 50V 0.022U	1	
C2008		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2011		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
C2012		ECUX1H332KBN	CHIP 50V 3300P	1	
C2013		ECUX1H332KBN	CHIP 50V 3300P	1	
C2014		ECUX1H332KBN	CHIP 50V 3300P	1	
C2016		ECEA25Z47	ELECTROLYTIC 25V 4.7U	1	
C2017		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C2018		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2019		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2020		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2021		ECQB1H223JH	MYLAR 50V 0.022U	1	
C2022		ECQV1H274JZ	MYLAR 50V 0.27U	1	
C2023		ECQV1H474JZ	MYLAR 50V 0.47U	1	
C2701		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C2702		ECQV1H224JZ	MYLAR 50V 0.22U	1	
C3001		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C3002		ECEA0JU471	ELECTROLYTIC 6.3V 470U	1	
C3003		ECUX1H220JCN	CHIP 50V 22P	1	
C3004		ECUX1H151JCN	CHIP 50V 150P	1	
C3005		ECUX1H681JN	CHIP 50V 680P	1	
C3006		ECUX1H220JCN	CHIP 50V 22P	1	
C3007		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C3008		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C3012		ECUX1H150JCN	CHIP 50V 15P	1	
C3013		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C3016		ECCD1H100DC	C.CAPACITOR 50V 10P	1	
C3501		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3502		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3503		VCYD1E332KR	SEMICONDUCTOR 25V 3300P	1	
C3504		VCYD1E332KR	SEMICONDUCTOR 25V 3300P	1	
C3505		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3801		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C3802		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C3803		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C3804		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C3805		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C3806		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C3807		ECKF1H102KB	CERAMIC 50V 1000P	1	
C3808		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C3809		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C3810		ECEA1HK3R3	ELECTROLYTIC 50V 3.3U	1	
C3811		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C3812		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C3813		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C3814		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3815		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3816		ECKF1H121KB	CERAMIC 50V 120P	1	
C3817		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C3818		ECKF1H102KB	CERAMIC 50V 1000P	1	
C3819		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C3820		ECKF1H221KB	CERAMIC 50V 220P	1	
C4002		ECUX1H102KBN	CHIP 50V 1000P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4003		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4004		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4005		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4006		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4007		ECEA1CKL100	ELECTROLYTIC 16V 10U	1	
C4008		ECUX1H471KBN	CHIP 50V 470P	1	
C4009		ECUX1H101KN	CHIP 50V 100P	1	
C4010		ECQB1H123JH	MYLAR 50V 0.012U	1	
C4011		ECEA1CKL100	ELECTROLYTIC 16V 10U	1	
C4012		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4013		ECEA1AK220	ELECTROLYTIC 10V 22U	1	
C4014		ECEA1AK101	ELECTROLYTIC 10V 100U	1	
C4015		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4016		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4018		ECQB1H223JH	MYLAR 50V 0.022U	1	
C4019		ECQB1H333KH	MYLAR 50V 0.033U	1	
C4020		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4021		ECUX1H102KBN	CHIP 50V 1000P	1	
C4022		ECQB1H103JH	MYLAR 50V 0.01U	1	
C4023		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C4024		ECQP1222JZ	MYLAR 100V 2200P	1	
C4025		ECEA1CKL100	ELECTROLYTIC 16V 10U	1	
C4026		ECCF2H121K	CERAMIC 500V 120P	1	
C6001		ECEA0JK220	ELECTROLYTIC 6.3V 22U	1	
C6007		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C6011		ECUX1H103KBN	CHIP 50V 0.01U	1	
C6012		ECUX1H103KBN	CHIP 50V 0.01U	1	
C6014		ECUX1H221KN	CHIP 50V 220P	1	
C6017		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6018		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6019		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6020		ECUX1H103KBN	CHIP 50V 0.01U	1	
C6022		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C6023		ECUX1H103KBN	CHIP 50V 0.01U	1	
C6024		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C6025		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C6026		ECQB1H103JH	MYLAR 50V 0.01U	1	
C6027		ECUX1H271KBN	CHIP 50V 270P	1	
C6028		ECUX1H271KBN	CHIP 50V 270P	1	
C6029		ECUX1H271KBN	CHIP 50V 270P	1	
C7518		EECS5R5V473	GOLD 5.5V 0.047	1	
C7573		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C7651		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C7652		ECEA1CKN330	ELECTROLYTIC 16V 33U	1	
C7653		ECQB1H392JH	MYLAR 50V 3900P	1	
C7654		ECQB1H103JH	MYLAR 50V 0.01U	1	
C7655		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7656		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7657		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7658		ECQP1562JZ	MYLAR 100V 5600P	1	
C7659		ECQB1H272JH	MYLAR 50V 2700P	1	
C8001		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C8002		ECUX1H103ZFN	CHIP 50V 0.01U	1	
			DIODES		
D201		MA165	DIODE	1	
D202		MA165	DIODE	1	
D203		MA165	DIODE	1	
D204		MA156	DIODE	1	
D301		MA165	DIODE	1	
D302		MA165	DIODE	1	
D303		1SS283	DIODE	1	
D304		1SS283	DIODE	1	
D710		MA3100L	DIODE	1	
D712		MA27WA	DIODE	1	
D801		MA165	DIODE	1	
D802		MA165	DIODE	1	
D2007		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3002		MA165	DIODE	1	
D3004		ERA15-01V5	DIODE	1	
D3501		MA165	DIODE	1	
D3502		MA27W	DIODE	1	
D3801		MA165	DIODE	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6001		11ES1	DIODE	1	
D6002		MA165	DIODE	1	
D6005		MA165	DIODE	1	
D6009		MA165	DIODE	1	
D6010		MA165	DIODE	1	
D6011		MA165	DIODE	1	
D6012		MA165	DIODE	1	
D6017		11ES1	DIODE	1	
D6019		MA4140M	DIODE	1	
D6020		MA4110L	DIODE	1	
D6021		MA165	DIODE	1	
D6022		MA165	DIODE	1	
D6023		MA165	DIODE	1	
D6024		MA165	DIODE	1	
D6028		MA165	DIODE	1	
D6029		MA165	DIODE	1	
D6030		MA165	DIODE	1	
D6031		MA165	DIODE	1	
D7552		11ES1	DIODE	1	
D7555		MA27WB	DIODE	1	
D7556		MA165	DIODE	1	
D7574		LN28WPVT	LED	1	
			DELAY LINES		
DL301		EFDEN645A51F	DELAY LINE	1	
DL801		EFDHR124A13A	DELAY LINE	1	
			FILTERS		
FL301		ELB4M022	FILTER	1	
FL303		VLF0499	FILTER	1	
FL801		VLF0299	FILTER	1	
FL851		VLF0143	FILTER	1	
FL4001		VLF0332	FILTER	1	
			INTEGRATED CIRCUITS		
IC201		UPD6160CA605	IC	1	
IC202		MN15311VJC	IC	1	
IC203		UPC358C	IC	1	
IC301		VEFY017	FIC	1	
IC701		M51366SP	IC	1	
IC753		UPD4066BC	IC	1	
IC801		VEFC013	FIC	1	
IC851		BA7025L	IC	1	
IC2001		BA6430S	IC	1	
IC2702		UPC358C	IC	1	
IC3501		BA7004	IC	1	
IC3801		M5202P	IC	1	
IC3802		AN6552	IC	1	
IC4001		BA7752LS	IC	1	
IC6001		MN15362VBR	IC	1	
IC6002		UPC393C	IC	1	
IC6003		UPD4510BC	IC	1	
IC6004		MN1280	IC	1	
IC7651		AN5421	IC	1	
			COILS		
L202		VLQEL05F101K	COIL 100UH	1	
L301		VLQEL05F180K	COIL 18UH	1	
L302		VLQEL05F180K	COIL 18UH	1	
L303		VLQEL05F101K	COIL 100UH	1	
L304		VLQEL05F101K	COIL 100UH	1	
L305		VLQEL05F101K	COIL 100UH	1	
L306		VLQEL05F820K	COIL 82UH	1	
L307		VLQEL05F101K	COIL 100UH	1	
L310		VLQEL05F101K	COIL 100UH	1	
L311		VLQEL05F270K	COIL 27UH	1	
L701		VLQEL05F680K	COIL 68UH	1	
L702		VLQEL05F680K	COIL 68UH	1	
L703		VLQEL05F221K	COIL 220UH	1	
L704		VLQEL05F221K	COIL 220UH	1	
L712		ELQF1R2KB	COIL 1.2UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L714		ELQF1R2KB	COIL 1.2UH	1	
L715		VLQEL05F680K	COIL 68UH	1	
L716		VLQEL05F560K	COIL 56UH	1	
L717		VLQEL05F680K	COIL 68UH	1	
L718		VLQEL05F680K	COIL 68UH	1	
L719		VLQEL05F5R6K	COIL 5.6UH	1	
L801		VLQEL05F150K	COIL 15UH	1	
L802		VLQEL05F470K	COIL 47UH	1	
L803		VLQEL05F270K	COIL 27UH	1	
L804		VLQEL05F151K	COIL 150UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F470K	COIL 47UH	1	
L807		VLQEL05F331K	COIL 330UH	1	
L808		VLQEL05F681K	COIL 680UH	1	
L809		VLQEL05F681K	COIL 680UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L851		VLQEL05F101K	COIL 100UH	1	
L2001		VLQEL05F102K	COIL 1000UH	1	
L3001		VLQEL05F101K	COIL 100UH	1	
L3002		VLQEL05F101K	COIL 100UH	1	
L3003		VLQEL05F101K	COIL 100UH	1	
L3004		VLQEL05F6R8J	COIL 6.8UH	1	
L3005		VLQEL05F120J	COIL 12UH	1	
L3501		VLQEL05F101K	COIL 100UH	1	
L3502		VLQEL05F101K	COIL 100UH	1	
L3801		VLQEL05F101K	COIL 100UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		VLQEL05F471K	COIL 470UH	1	
L7551		VLQEL05F102K	COIL 1000UH	1	
L7552		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P001		VJS1232T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	
P501		VJS1235T	CONNECTOR (FEMALE)	1	
P502		VJS1233T	CONNECTOR (FEMALE)	1	
P1504		VJS1745	CONNECTOR (FEMALE)	1	
P2002		VJP1932T	CONNECTOR (MALE)	1	
P2002		VJS1932	CONNECTOR (FEMALE)	1	
P3003		VJP1258	CONNECTOR (MALE)	1	
P4001		VJP1233T	CONNECTOR(MALE) 6P	1	
P6002		VJS1935	CONNECTOR (FEMALE)	1	
P6004		VJS1467	CONNECTOR(FEMALE)	1	
P6005		VJS1917	CONNECTOR (FEMALE)	1	
P6201		VJS1236T	CONNECTOR (FEMALE)	1	
P7506		VJS1231R	CONNECTOR (FEMALE)	1	
P7507		VJS1230T	CONNECTOR (FEMALE)	1	
P7551		VJS1235T	CONNECTOR (FEMALE)	1	
P7552		VJS1233T	CONNECTOR (FEMALE)	1	
P7553		VJS1231T	CONNECTOR (FEMALE)	1	
P7554		VJS1231T	CONNECTOR (FEMALE)	1	
P7555		VJS1232T	CONNECTOR (FEMALE)	1	
P7556		VJS1233T	CONNECTOR (FEMALE)	1	
P7557		VJS1235T	CONNECTOR (FEMALE)	1	
P7801		VJS1234T	CONNECTOR (FEMALE)	1	
P7802		VJS1231T	CONNECTOR (FEMALE)	1	
			PACK PINS		
PK201		VJR0189	PACK PIN	1	
PK202		VJR0190	PACK PIN	1	
PK203		VJR0190	PACK PIN	1	
PK271		VJR0188	PACK PIN	1	
PK3501		VJR0161	PACK PIN	1	
PK3502		VJR0283	PACK PIN	1	
PK3503		VJR0244	PACK PIN	1	
PK3504		VJR0244	PACK PIN	1	
PK7501		VJR0244	PACK PIN	1	
			TRANSISTORS		
Q201		2SD636	TRANSISTOR	1	
Q202		2SD636	TRANSISTOR	1	
Q203		2SB641	TRANSISTOR	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q204		2SB641	TRANSISTOR	1	
Q205		2SB641	TRANSISTOR	1	
Q206		2SB641	TRANSISTOR	1	
Q207		2SC2206	TRANSISTOR	1	(B,C)
Q208		2SD636	TRANSISTOR	1	
Q271		2SD636	TRANSISTOR	1	
Q272		2SD636	TRANSISTOR	1	
Q273		2SD636	TRANSISTOR	1	
Q274		2SD636	TRANSISTOR	1	
Q301		2SD601	TRANSISTOR CHIP	1	
Q302		2SB709	TRANSISTOR CHIP	1	
Q303		2SB709	TRANSISTOR CHIP	1	
Q304		2SD601	TRANSISTOR CHIP	1	
Q305		2SB709	TRANSISTOR CHIP	1	
Q306		2SD601	TRANSISTOR CHIP	1	
Q307		2SC2295	TRANSISTOR	1	
Q308		2SB709	TRANSISTOR CHIP	1	
Q703		2SD601	TRANSISTOR CHIP	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C)
Q712		2SC1317	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR CHIP	1	(S,T)
Q714		2SD601	TRANSISTOR CHIP	1	
Q771		2SD601	TRANSISTOR CHIP	1	
Q801		2SC2295	TRANSISTOR	1	
Q802		2SD601	TRANSISTOR CHIP	1	
Q803		2SD601	TRANSISTOR CHIP	1	
Q804		2SC2295	TRANSISTOR	1	
Q805		2SD601	TRANSISTOR CHIP	1	
Q806		2SC2295	TRANSISTOR	1	
Q851		2SC2206	TRANSISTOR	1	
Q2001		2DA1309	TRANSISTOR	1	
Q2002		2SC3311	TRANSISTOR	1	
Q3001		2SA1309	TRANSISTOR	1	
Q3002		2SB641	TRANSISTOR	1	
Q3003		2SC3314	TRANSISTOR	1	
Q3501		2SC2206	TRANSISTOR	1	
Q3801		2SB641	TRANSISTOR	1	(Q,R,S)
Q4001		2SC1423A	TRANSISTOR	1	(R)
Q4002		2SC3311A	TRANSISTOR	1	
Q4003		2SC3311A	TRANSISTOR	1	
Q4004		2SA1309A	TRANSISTOR	1	(Q,R,S)
Q6006		2SB643	TRANSISTOR	1	
Q6007		2SA1512	TRANSISTOR	1	(Q,R,S)
Q6009		2SA1512	TRANSISTOR	1	(Q,R,S)
Q6016		2SD1275P	TRANSISTOR	1	
Q6017		2SD893	TRANSISTOR	1	(Q,R,S)
Q6018		2SD592	TRANSISTOR	1	
Q6019		2SD638	TRANSISTOR	1	
Q6199		2SC3311	TRANSISTOR	1	
Q7551		2SB644	TRANSISTOR	1	
Q7552		2SB644	TRANSISTOR	1	
Q7553		2SC3311	TRANSISTOR	1	
Q8001		2SC3311	TRANSISTOR	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR201		UN1113	TRANSISTOR-RESISTOR	1	
QR202		UN1113	TRANSISTOR-RESISTOR	1	
QR203		UN1212	TRANSISTOR-RESISTOR	1	
QR301		UN2213	TRANSISTOR-RESISTOR	1	
QR701		UN2213	TRANSISTOR-RESISTOR	1	
QR702		UN2213	TRANSISTOR-RESISTOR	1	
QR711		UN2212	TRANSISTOR-RESISTOR	1	
QR712		UN2212	TRANSISTOR-RESISTOR	1	
QR713		UN2211	TRANSISTOR-RESISTOR	1	
QR714		UN2211	TRANSISTOR-RESISTOR	1	
QR851		DTC144EA	TRANSISTOR RESISTOR	1	OR UN1213
QR852		DTC144EA	TRANSISTOR RESISTOR	1	OR UN1213
QR853		DTC144EA	TRANSISTOR RESISTOR	1	OR UN1213
QR2002		UN4212	TRANSISTOR-RESISTOR	1	
QR2003		UN4213	TRANSISTOR-RESISTOR	1	
QR3001		UN4111	TRANSISTOR-RESISTOR	1	
QR3002		UN4213	TRANSISTOR-RESISTOR	1	
QR3003		UN4212	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR3004		UN1213	TRANSISTOR-RESISTOR	1	
QR6001		UN4212	TRANSISTOR-RESISTOR	1	
QR6004		UN4213	TRANSISTOR-RESISTOR	1	
QR6005		UN1213	TRANSISTOR-RESISTOR	1	
QR6006		UN4111	TRANSISTOR-RESISTOR	1	
QR6008		UN4111	TRANSISTOR-RESISTOR	1	
QR6011		UN4212	TRANSISTOR-RESISTOR	1	
QR6012		UN4113	TRANSISTOR RESISTOR	1	
QR6013		UN4213	TRANSISTOR-RESISTOR	1	
QR6014		UN4211	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R201		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R202		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R203		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R204		ERJ6GMYJ221	CHIP 1/16W 220	1	
R205		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R206		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R207		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R208		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R209		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R210		ERJ6GMYJ274	CHIP 1/16W 270K	1	
R211		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R212		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R213		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R214		ERJ6GMYJ224	CHIP 1/16W 220K	1	
R215		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R216		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R217		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R218		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R219		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R220		ERJ6GMYJ274	CHIP 1/16W 270K	1	
R222		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R223		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R224		ERJ6GMYJ561	CHIP 1/16W 560	1	
R225		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R226		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R227		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R228		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R229		ERJ6GMYJ221	CHIP 1/16W 220	1	
R230		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R231		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R232		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R233		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R234		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R235		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R236		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R237		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R238		ERJ6GMYJ124	CHIP 1/16W 120K	1	
R239		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R240		ERJ6GMYG333	CHIP 1/16W 33K	1	
R241		ERJ6GMYJ680	CHIP 1/16W 680K	1	
R242		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R243		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R244		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R245		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R246		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R247		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R248		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R249		ERJ6GMYG472	CHIP 1/16W 4.7K	1	
R250		ERJ6GMYJ821	CHIP 1/16W 820	1	
R251		ERJ6GMYJ824	CHIP 1/16W 820K	1	
R252		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R253		ERDS2TJ684	CARBON 1/4W 680K	1	
R256		ERJ6GMYJ123	CHIP 1/16W 12K	1	
R257		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R258		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R259		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R260		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R261		ERJ6GMYJ183	CHIP 1/16W 18K	1	
R262		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R263		ERDS2TJ561	CARBON 1/4W 560	1	
R264		ERDS2TJ333	CARBON 1/4W 33K	1	
R265		ERDS2TJ103	CARBON 1/4W 10K	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R266		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R267		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R268		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R269		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R271		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R272		ERDS2TJ154	CARBON 1/4W 150K	1	
R273		ERDS2TJ153	CARBON 1/4W 15K	1	
R274		ERDS2TJ154	CARBON 1/4W 150K	1	
R275		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R276		ERDS2TJ273	CARBON 1/4W 27K	1	
R277		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R278		ERDS2TJ104	CARBON 1/4W 100K	1	
R279		ERDS2TJ683	CARBON 1/4W 68K	1	
R301		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R302		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R303		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R304		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R305		ERJ6GMYJ824	CHIP 1/16W 820K	1	
R306		ERJ6GMYJ151	CHIP 1/16W 150	1	
R307		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R308		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R309		ERJ6GMYJ680	CHIP 1/16W 680K	1	
R310		ERJ6GMYJ561	CHIP 1/16W 560	1	
R312		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R313		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R314		ERJ6GMYJ471	CHIP 1/16W 470	1	
R315		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R316		ERJ6GMYJ471	CHIP 1/16W 470	1	
R317		ERJ6GMYJ471	CHIP 1/16W 470	1	
R318		ERJ6GMYJ471	CHIP 1/16W 470	1	
R319		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R320		ERJ6GMYJ560	CHIP 1/16W 56	1	
R321		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R322		ERJ6GMYJ823	CHIP 1/16W 82K	1	
R323		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R324		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R325		ERJ6GMYJ681	CHIP 1/16W 680	1	
R326		ERJ6GMYJ183	CHIP 1/16W 18K	1	
R327		ERJ6GMYJ123	CHIP 1/16W 12K	1	
R328		ERJ6GMYJ151	CHIP 1/16W 150	1	
R329		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R350		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R351		ERJ6GMYJ823	CHIP 1/16W 82K	1	
R352		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R707		ERDS2TJ223	CARBON 1/4W 22K	1	
R712		ERJ6GEYJ682	CHIP 1/16W 6.8K	1	
R713		ERJ6GEYJ681	CHIP 1/16W 680	1	
R714		ERD2FCG330	CARBON 2W 33	1	<!>
R715		ERJ6GEYJ561	CHIP 1/16W 560	1	
R716		ERJ6GEYJ152	CHIP 1/16W 1.5K	1	
R717		ERJ6GEYJ332	CHIP 1/16W 3.3K	1	
R718		ERJ6GEYJ754	CHIP 1/16W 750K	1	
R719		ERJ6GEYJ682	CHIP 1/16W 6.8K	1	
R720		ERJ6GEYJ822	CHIP 1/16W 8.2K	1	
R721		ERJ6GEYJ332	CHIP 1/16W 3.3K	1	
R722		ERJ6GEYJ392	CHIP 1/16W 3.9K	1	
R723		ERJ6GEYJ183	CHIP 1/16W 18K	1	
R724		ERJ6GEYJ101	CHIP 1/16W 100	1	
R725		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R726		ERJ6GEYJ472	CHIP 1/16W 4.7K	1	
R727		ERDS2TJ471	CARBON 1/4W 470	1	
R728		ERDS2TJ471	CARBON 1/4W 470	1	
R729		ERJ6GEYJ331	CHIP 1/16W 330	1	
R730		ERJ6GEYJ331	CHIP 1/16W 330	1	
R737		ERJ6GEYJ274	CHIP 1/16W 270K	1	
R738		ERJ6GEYJ334	CHIP 1/16W 330K	1	
R739		ERDS2TJ681	CARBON 1/4W 680	1	
R740		ERJ6GEYJ473	CHIP 1/16W 47K	1	
R741		ERJ6GEYJ272	CHIP 1/16W 2.7K	1	
R742		ERJ6GEYJ272	CHIP 1/16W 2.7K	1	
R743		ERDS2TJ470	CARBON 1/4W 47	1	
R744		ERJ6GEYJ821	CHIP 1/16W 820	1	
R745		ERJ6GEYJ181	CHIP 1/16W 180	1	
R746		ERDS2TJ181	CARBON 1/4W 180	1	
R750		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R757		ERJ6GEYJ222	CHIP 1/16W 2.2K	1	
R759		ERDS2TJ103	CARBON 1/4W 10K	1	
R760		ERJ6GEYJ102	CHIP 1/16W 1K	1	
R763		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R764		ERJ6GEYJ822	CHIP 1/16W 8.2K	1	
R772		ERJ6GEYJ102	CHIP 1/16W 1K	1	
R773		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R792		ERJ6GEYJ120	CHIP 1/16W 12	1	
R801		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R802		ERJ6GMYJ101	CHIP 1/16W 100	1	
R803		ERJ6GMYJ822	CHIP 1/16W 8.2K	1	
R804		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R805		ERJ6GMYJ122	CHIP 1/16W 1.2K	1	
R806		ERJ6GMYJ271	CHIP 1/16W 270	1	
R807		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R808		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R809		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R810		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R811		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R812		ERJ6GMYJ471	CHIP 1/16W 470	1	
R813		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R814		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R815		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R816		ERJ6GMYJ821	CHIP 1/16W 820	1	
R817		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R818		ERJ6GMYJ273	CHIP 1/16W 27K	1	
R819		ERDS2TJ470	CARBON 1/4W 47	1	
R820		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R821		ERJ6GMYJ822	CHIP 1/16W 8.2K	1	
R822		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R823		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R824		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R825		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R826		ERJ6GMYJ390	CHIP 1/16W 39	1	
R827		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R828		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R829		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R830		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R831		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R832		ERJ6GMYJ271	CHIP 1/16W 270	1	
R833		ERJ6GMYJ471	CHIP 1/16W 470	1	
R834		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R835		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R836		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R851		ERDS2TJ223	CARBON 1/4W 22K	1	
R852		ERDS2TJ390	CARBON 1/4W 39	1	
R853		ERDS2TJ154	CARBON 1/4W 150K	1	
R854		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R855		ERDS2TJ102	CARBON 1/4W 1K	1	
R856		ERDS2TJ103	CARBON 1/4W 10K	1	
R857		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R858		ERDS2TJ221	CARBON 1/4W 220	1	
R2001		ERDS2TJ560	CARBON 1/4W 56	1	
R2002		ERDS2TJ560	CARBON 1/4W 56	1	
R2003		ERDS2TJ560	CARBON 1/4W 56	1	
R2004		ERX12SJ1R0	METAL OXIDE 1/2W 1	1	
R2005		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R2006		ERJ6GMYG512	CHIP 1/16W 5.1K	1	
R2007		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R2008		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R2009		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R2010		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R2018		ERJ6GMYJ330	CHIP 1/16W 33	1	
R2029		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R2030		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R2031		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R2032		ERJ6GMYJ124	CHIP 1/16W 120K	1	
R2033		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R2034		ERJ6GMYJ391	CHIP 1/16W 390	1	
R2710		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R2711		ERDS2TJ105	CARBON 1/4W 1000K	1	
R2712		ERDS2TJ102	CARBON 1/4W 1K	1	
R2713		ERDS2TJ102	CARBON 1/4W 1K	1	
R2714		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R2715		ERDS2TJ222	CARBON 1/4W 2.2K	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2716		ERDS2TJ223	CARBON 1/4W 22K	1	
R3001		ERDS2TJ471	CARBON 1/4W 470	1	
R3002		ERJ6GMYJ750	CHIP 1/16W 75	1	
R3004		ERJ6GMYJ750	CHIP 1/16W 75	1	
R3005		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R3006		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R3008		ERJ6GMYJ561	CHIP 1/16W 560	1	
R3009		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R3019		ERJ6GMYJ822	CHIP 1/16W 8.2K	1	
R3020		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R3023		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R3502		ERDS2TJ561	CARBON 1/4W 560	1	
R3503		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R3504		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R3505		ERDS2TJ392	CARBON 1/4W 3.9K	1	
R3506		ERDS2TJ102	CARBON 1/4W 1K	1	
R3507		ERDS2TJ750	CARBON 1/4W 75	1	
R3508		ERDS2TJ750	CARBON 1/4W 75	1	
R3509		ERDS2TJ333	CARBON 1/4W 33K	1	
R3510		ERDS2TJ183	CARBON 1/4W 18K	1	
R3511		ERDS2TJ750	CARBON 1/4W 75	1	
R3801		ERDS2TJ124	CARBON 1/4W 120K	1	
R3802		ERDS2TJ124	CARBON 1/4W 120K	1	
R3803		ERDS2TJ223	CARBON 1/4W 22K	1	
R3804		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R3805		ERG1ANJ820	METAL OXIDE 1W 82	1	
R3806		ERDS2TJ103	CARBON 1/4W 10K	1	
R3807		ERDS2TJ473	CARBON 1/4W 47K	1	
R3808		ERDS2TJ753	CARBON 1/4W 75K	1	
R3809		ERDS2TJ183	CARBON 1/4W 18K	1	
R3810		ERDS2TJ474	CARBON 1/4W 470K	1	
R3811		ERDS2TJ474	CARBON 1/4W 470K	1	
R3812		ERDS2TJ102	CARBON 1/4W 1K	1	
R3813		ERDS2TJ471	CARBON 1/4W 470	1	
R3814		ERDS2TJ750	CARBON 1/4W 75	1	
R4001		ERJ6GMYJ100	CHIP 1/16W 10	1	
R4003		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R4004		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R4005		ERJ6GMYJ132	CHIP 1/16W 1.3K	1	
R4006		ERJ6GMYJ123	CHIP 1/16W 12K	1	
R4008		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R4009		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R4010		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R4011		ERJ6GMYJ334	CHIP 1/16W 330K	1	
R4012		ERJ6GMYJ331	CHIP 1/16W 330	1	
R4013		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R4015		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R4016		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R4017		ERDS2TJ223	CARBON 1/4W 22K	1	
R4018		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4019		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R4020		ERJ6GMYJ163	CHIP 1/16W 16K	1	
R4021		ERJ6GMYJ470	CHIP 1/16W 47	1	
R4022		ERJ6GMYJ123	CHIP 1/16W 12K	1	
R4023		ERJ6GMYJ273	CHIP 1/16W 27K	1	
R4024		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R4025		ERJ6GMYJ560	CHIP 1/16W 56	1	
R4027		ERJ6GMYJ511	CHIP 1/16W 510	1	
R4029		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R4030		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R6001		ERDS1TJ470	CARBON 1/2W 47	1	
R6006		ERD2FCVG220	CARBON 2W 22	1	<!>
R6007		ERJ6GMYJ122	CHIP 1/16W 1.2K	1	
R6008		ERJ6GMYJ181	CHIP 1/16W 180	1	
R6009		ERJ6GMYJ561	CHIP 1/16W 560	1	
R6009		ERJ6GMYJ561	CHIP 1/16W 560	1	
R6010		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R6011		ERJ6GMYJ221	CHIP 1/16W 220	1	
R6016		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R6017		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R6019		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R6022		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R6023		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R6024		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R6025		ERJ6GMYJ824	CHIP 1/16W 820K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6026		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R6027		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R6028		ERJ6GMYJ184	CHIP 1/16W 180K	1	
R6029		ERJ6GMYJ561	CHIP 1/16W 560	1	
R6030		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R6031		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R6032		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R6033		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R6034		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R6035		ERJ6GMYJ101	CHIP 1/16W 100	1	
R6036		ERJ6GMYJ101	CHIP 1/16W 100	1	
R6037		ERJ6GMYJ101	CHIP 1/16W 100	1	
R6038		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R6041		ERJ6GMYJ391	CHIP 1/16W 390	1	
R6045		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R6046		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R6050		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R6051		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R6068		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R6069		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R6070		ERJ6GMYJ471	CHIP 1/16W 470	1	
R6071		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R6072		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R6073		ERJ6GMYJ271	CHIP 1/16W 270	1	
R6074		ERJ6GMYJ121	CHIP 1/16W 120	1	
R6075		ERG2SJ180	METAL OXIDE 2W 18	1	
R6079		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R6080		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R6081		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R6083		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R6085		ERJ6GMYJ101	CHIP 1/16W 100	1	
R6087		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R6088		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R6089		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R6090		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R6093		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R6094		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R6095		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R6096		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R6199		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R7518		ERJ6GMYJ181	CHIP 1/16W 180	1	
R7552		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R7572		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R7573		ERJ6GMYJ820	CHIP 1/16W 82	1	
R7574		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R7575		ERJ6GMYJ273	CHIP 1/16W 27K	1	
R7576		ERDS2TJ390	CARBON 1/4W 39	1	
R7577		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R7578		ERDS2TJ103	CARBON 1/4W 10K	1	
R7579		ERDS2TJ103	CARBON 1/4W 10K	1	
R7596		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R7651		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R7654		ERJ6GEYJ562	CHIP 1/16W 5.6K	1	
R7655		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R7656		ERJ6GEYJ151	CHIP 1/16W 150	1	
R7657		ERDS2TJ104	CARBON 1/4W 100K	1	
R7658		ERDS2TJ393	CARBON 1/4W 39K	1	
R7659		ERDS2TJ822	CARBON 1/4W 8.2K	1	
R7661		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R7662		ERDS2TJ393	CARBON 1/4W 39K	1	
R7663		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R7664		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R8001		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R8002		ERJ6GMYJ221	CHIP 1/16W 220	1	
R8003		ERJ6GMYJ821	CHIP 1/16W 820	1	
			SWITCH		
SW3501		VSS0152	SWITCH	1	
			TRANSFORMERS		
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A	TRANSFORMER	1	
T710		EULBEF022	FILTER	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T711		EIS5EC004A	TRANSFORMER	1	
T752		EIS5EC007A	TRANSFORMER	1	
T753		EIS5EC007A	TRANSFORMER	1	
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF001B	IF TRANSFORMER	1	
			VARIABLE RESISTORS		
VR301		EVND3AA00B22	VARIABLE 200	1	
VR701		EVND4AA00B23	VARIABLE 2K	1	
VR702		EVM3AGA00B23	VARIABLE 2K	1	
VR741		EVN38CA00B14	VARIABLE 10K	1	
VR751		EVN38CA00B53	VARIABLE 5K	1	
VR801		EVND1AA00B52	VARIABLE 500	1	
VR2001		EVND3AA00B54	VARIABLE 50K	1	
VR2002		EVND3AA00B15	VARIABLE 100K	1	
VR2010		EVL51MA00B25	VARIABLE 200K	1	
VR2011		EVND3AA00B15	VARIABLE 100K	1	
VR2013		EVN38CA00B23	VARIABLE 2K	1	
VR3012		EVND3AA00B22	VARIABLE 200	1	
VR4001		EVND3AA00B14	VARIABLE 10K	1	
VR4002		EVND3AA00B25	VARIABLE 200K	1	
VR7502		EVND3AA00B14	VARIABLE 10K	1	
VR7660		EVN38CA00B23	VARIABLE 2K	1	
			CRYSTAL OSCILLATORS		
X201		VSX0066	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP1	SAW FILTER	1	
X711		EFCS5M65MW3	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		EFCA6R5MB3	FILTER	1	
X717		ELB5A048	FILTER	1	
X801		VSX0162A	CRYSTAL OSCILLATOR	1	
X3501		VSX0099	CRYSTAL OSCILLATOR	1	
X6001		EFOFC3584A5	CRYSTAL OSCILLATOR	1	
X7504		EFBAA40D101	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC1689	HEAT SINK	1	
		VSC1068	SHIELD CASE	1	
		VJF0004	WIRE SADLE	1	
		VWJ0271	FLAT CABLE (8P)	1	P6004-P7501
		VWJ05DW200MM	FLAT CABLE (5P)	1	P1503-P6002
		VJF0330	PURSE LOCK	1	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC2048	SHIELD CASE	1	
		VJF0215	BAIND	4	
		VEJ0545	REAR JACK	1	
		VJF0236	INPUT SELECT PACK C.B.A.	2	
			SUPPORTER		
		VJH0418	RF & ANT. BOARD	1	
		VSC1788	SHIELD CASE (TOP)	1	
		VSC1789	SHIELD CASE (MAIN)	1	
		VSC1888	SHIELD CASE (BOTTOM)	1	
		TNV79461F2	TUNER	1	
		VMP1040	DEMODU. SUPPORT ANGLE	1	
	■	VEP05106B	HEAD AMP C.B.A.		
			CAPACITORS		
C501		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C502		ECUX1H820JCN	CHIP 50V 82P	1	
C503		ECUX1H181KBN	CHIP 50V 180P	1	
C504		ECUX1H330JCN	CHIP 50V 33P	1	
C505		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C506		ECUX1H473ZFN	CHIP 50V 0.047U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C507		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C509		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C510		ECUX1E104ZFN	CHIP 25V 0.1U	1	
C511		ECUX1E104ZFN	CHIP 25V 0.1U	1	
C512		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C513		ECEA0JK220	ELECTROLYTIC 6.3V 22U	1	
C514		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C515		ECUX1H102KBN	CHIP 50V 1000P	1	
C516		ECUX1H150JCN	CHIP 50V 15P	1	
C517		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C518		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C519		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C520		ECUX1H150JCN	CHIP 50V 15P	1	
C521		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C522		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C523		ECUX1H150JCN	CHIP 50V 15P	1	
C524		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C525		ECUX1H102KBN	CHIP 50V 1000P	1	
C527		ECKF1H102KB	CERAMIC 50V 1000P	1	
C528		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C529		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C530		ECUX1H473ZFN	CHIP 50V 0.047U	1	
C531		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C533		ECUX1H560JCN	CHIP 50V 56P	1	
C534		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C537		ECUX1H150JCN	CHIP 50V 15P	1	
C538		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C539		ECUX1H103ZFN	CHIP 50V 0.01U	1	
			INTEGRATED CIRCUITS		
IC501		AN3224K	IC	1	
IC502		AN3311S	IC	1	
			COILS		
L501		VLQEL05F101K	COIL 100UH	1	
L502		VLQEL05F820K	COIL 82UH	1	
L503		VLQEL05F151K	COIL 150UH	1	
L505		VLQEL05F101K	COIL 100UH	1	
L507		VLQEL05F270K	COIL 27UH	1	
			CONNECTORS		
P002		VJS1927	CONNECTOR (FEMALE)	1	
P501		VJP1248T	CONNECTOR(MALE) 8P	1	
P502		VJP1233T	CONNECTOR(MALE) 6P	1	
			TRANSISTOR		
Q501		2SB709	TRANSISTOR CHIP	1	
			RESISTORS		
R501		ERJ6GMYJ561	CHIP 1/16W 560	1	
R502		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R503		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R504		ERJ6GMYJ331	CHIP 1/16W 330	1	
R506		ERJ6GMYJ471	CHIP 1/16W 470	1	
R508		ERJ6GMYJ100	CHIP 1/16W 10	1	
R509		ERJ6GMYJ100	CHIP 1/16W 10	1	
R510		ERJ6GMYJ561	CHIP 1/16W 560	1	
R511		ERJ6GMYJ821	CHIP 1/16W 820	1	
R512		ERJ6GMYJ821	CHIP 1/16W 820	1	
R515		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R516		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R517		ERJ6GMYJ391	CHIP 1/16W 390	1	
R522		ERJ6GMYJ561	CHIP 1/16W 560	1	
R524		ERJ6GMYJ334	CHIP 1/16W 330K	1	
			VARIABLE RESISTORS		
VR501		EVND1AA00B23	VARIABLE 2K	1	
VR502		EVND1AA00B13	VARIABLE 1K	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VSC1832	SHIELD CASE (TOP)	1	
		VSC1833	SHIELD CASE (MAIN)	1	
		VSC1834	SHIELD CASE (BOTTOM)	1	
	■	VEP06409C	OPERATION C.B.A.		
			DIODES		
D6201		LN28RCPP	LED	1	
D6202		LN38GCPPSVT	LED	1	
D6203		MA165	DIODE	1	
			CONNECTORS		
P6201		VJP1249T	CONNECTOR(MALE) 9P	1	
P6202		VJS1952	CONNECTOR (FEMALE)	1	
			RESISTORS		
R6201		ERJ6GMYJ181	CHIP 1/16W 180	1	
R6202		ERJ6GMYJ181	CHIP 1/16W 180	1	
R6203		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R6204		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R6205		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
			SWITCHES		
SW6201		EVQQS307K	SWITCH	1	
SW6202		EVQQS307K	SWITCH	1	
SW6203		ESD14314	SWITCH	1	
SW6204		ESD14314	SWITCH	1	
			VARIABLE RESISTORS		
VR2007		EVUFSAEC4B15	VARIABLE 1M	1	
VR2008		EVUFSAEC4B15	VARIABLE 1M	1	
VR3004		EVUJ16EC4B24	VARIABLE 20K	1	
			MISCELLANEOUS		
		KL-04	LED SPACER	1	D6201
		VGU3364	SLIDE SWITCH KNOB	1	
		VMD0504	LED HOLDER	1	D6202
	■	VEP07394C	TIMER C.B.A.		INCLUDING IR RECIVER
					C.B.A.(VEP06380B)
			CAPACITORS		
C6701		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6702		ECKF1H102KB	CERAMIC 50V 1000P	1	
C6703		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C6704		ECEA1HK3R3	ELECTROLYTIC 50V 3.3U	1	
C7501		ECUX1H080DCN	CHIP 50V 8P	1	
C7502		ECRHA030E41	TRIMER 30P	1	
C7503		ECEA1HKR22	ELECTROLYTIC 50V 0.22U	1	
C7504		ECUX1H220JCN	CHIP 50V 22P	1	
C7505		ECUX1H330JCN	CHIP 50V 33P	1	
C7506		ECEA0JKS101	ELECTROLYTIC 6.3V 100U	1	
C7510		ECEA1HK100	ELECTROLYTIC 50V 10U	1	
C7511		ECEA0JK221	ELECTROLYTIC 6.3V 220U	1	
C7512		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C7514		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C7515		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C7586		ECUX1H102KBN	CHIP 50V 1000P	1	
C7588		ECUX1H331KBN	CHIP 50V 330P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			DIODES		
D6701		PN323B	PHOTO DIODE	1	
D7501		11ES1	DIODE	1	
D7502		MA4075	DIODE	1	
D7503		MA165	DIODE	1	
D7520		MA165	DIODE	1	
D7525		MA165	DIODE	1	
D7529		MA165	DIODE	1	
D7533		MA165	DIODE	1	
D7534		MA165	DIODE	1	
D7535		MA165	DIODE	1	
D7536		MA165	DIODE	1	
D7537		MA165	DIODE	1	
D7538		MA165	DIODE	1	
D7539		MA165	DIODE	1	
D7540		MA165	DIODE	1	
D7541		MA165	DIODE	1	
D7542		MA165	DIODE	1	
			DISPLAY		
DP7501		VSL0101A	DISPLAY	1	
			INTEGRATED CIRCUITS		
IC6701		UPC1490HA	IC	1	
IC7501		MN15283VJU	IC	1	
IC7502		MN1220	IC	1	
IC7504		MN1280P	IC	1	
			COIL		
L7501		VLQEL05F221K	COIL 220UH	1	
			CONNECTORS		
P7501		VJS1678	CONNECTOR (FEMALE)	1	
P7502		VJS1937	CONNECTOR (FEMALE)	1	
P7506		VJP1244T	CONNECTOR(MALE) 4P	1	
P7507		VJP1243T	CONNECTOR(MALE) 3P	1	
			TRANSISTOR		
Q7501		2SD637	TRANSISTOR	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR7501		UN4113	TRANSISTOR-RESISTOR	1	
QR7502		UN4213	TRANSISTOR-RESISTOR	1	
QR7503		UN4112	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	CARBON 1/4W 150K	1	
R6702		ERDS2TJ100	CARBON 1/4W 10	1	
R7501		ERJ6GMYJ122	CHIP 1/16W 1.2K	1	
R7502		ERJ6GMYJ224	CHIP 1/16W 220K	1	
R7503		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R7504		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R7507		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R7508		ERJ6GMYJ470	CHIP 1/16W 47	1	
R7509		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R7510		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R7511		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R7527		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R7528		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R7529		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R7530		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R7531		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R7532		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R7533		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R7534		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7535		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R7536		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R7537		ERJ6GMYJ102	CHIP 1/16W 1K	1	
			SWITCHES		
SW7501		EVQQS307K	SWITCH	1	
SW7502		EVQQS307K	SWITCH	1	
SW7503		EVQQS307K	SWITCH	1	
SW7504		EVQQS307K	SWITCH	1	
SW7505		EVQQS307K	SWITCH	1	
SW7506		EVQQS307K	SWITCH	1	
SW7507		EVQQS307K	SWITCH	1	
SW7508		EVQQS307K	SWITCH	1	
SW7510		EVQQS307K	SWITCH	1	
SW7511		EVQQS307K	SWITCH	1	
SW7512		EVQQS307K	SWITCH	1	
SW7513		EVQQS307K	SWITCH	1	
			VARIABLE RESISTOR		
VR6701		EVMLGGA00B15	VARIABLE 100K	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140A	CRYSTAL OSCILLATOR	1	
X7502		VSX0094A	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0398	DISPLAY HOLDER	1	
		VKC0280	HINGE	2	
		VSC1844	IR SHIELD CASE (MAIN)	1	
		VSC1928	IR SHIELD CASE (BOTTOM)	1	
		VSC1929	IR SHIELD BOARD	1	
	■	VEP07395C	CH SELECT C.B.A.		
			CAPACITORS		
C7552		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7554		ECEA1VK220	ELECTROLYTIC 35V 22U	1	
C7555		ECQB1H273KH	MYLAR 50V 0.027U	1	
C7556		ECQV1H823JZ	MYLAR 50V 0.082U	1	
C7557		ECQV1H683JZ	MYLAR 50V 0.068U	1	
C7558		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7559		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C7560		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7561		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7563		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C7564		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7565		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7566		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7569		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7575		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
			DIODES		
D7551		MA165	DIODE	1	
D7558		MA165	DIODE	1	
D7559		MA165	DIODE	1	
D7560		MA165	DIODE	1	
D7561		MA165	DIODE	1	
			INTEGRATED CIRCUITS		
IC7551		AN5033	IC	1	
IC7552		AN6913	IC	1	
IC7553		MN4066B	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P7554		VJP1230T	CONNECTOR(MALE) 3P	1	
P7555		VJP1235T	CONNECTOR(MALE) 8P	1	
P7556		VJP1233T	CONNECTOR(MALE) 6P	1	
P7557		VJP1231T	CONNECTOR(MALE) 4P	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTOR)		
QR7551		UN1213	TRANSISTOR-RESISTOR	1	
QR7556		UN1213	TRANSISTOR-RESISTOR	1	
QR7557		UN1213	TRANSISTOR-RESISTOR	1	
QR7558		UN1213	TRANSISTOR-RESISTOR	1	
QR7559		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R7551		ERDS2TJ104	CARBON 1/4W 100K	1	
R7554		ERDS2TJ102	CARBON 1/4W 1K	1	
R7555		ERDS2TJ102	CARBON 1/4W 1K	1	
R7556		ERDS2TJ473	CARBON 1/4W 47K	1	
R7557		ERDS2TJ124	CARBON 1/4W 120K	1	
R7558		ERDS2TJ104	CARBON 1/4W 100K	1	
R7559		ERDS2TJ473	CARBON 1/4W 47K	1	
R7560		ERDS2TJ473	CARBON 1/4W 47K	1	
R7561		ERDS2TJ223	CARBON 1/4W 22K	1	
R7562		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7565		ERDS2TJ102	CARBON 1/4W 1K	1	
R7566		ERDS2TJ334	CARBON 1/4W 330K	1	
R7567		ERDS2TJ104	CARBON 1/4W 100K	1	
R7568		ERDS2TJ103	CARBON 1/4W 10K	1	
R7580		ERDS2TJ103	CARBON 1/4W 10K	1	
R7581		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R7582		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R7583		ERDS2TJ473	CARBON 1/4W 47K	1	
R7584		ERDS2TJ184	CARBON 1/4W 180K	1	
R7585		ERDS2TJ473	CARBON 1/4W 47K	1	
R7586		ERDS2TJ474	CARBON 1/4W 470K	1	
R7589		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7590		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7595		ERDS2TJ101	CARBON 1/4W 100	1	
			VARIABLE RESISTOR		
VR7502		EVND3AA00B14	VARIABLE 10K	1	
	■	VEP01264J	POWER C.B.A.		<!>
					INCLUDING THE SUB
					POWER C.B.A.
					(VEP00H48A)
			CAPACITORS		
C1001		VCK0041	250V 330P	1	<!>
C1002		VCK0041	250V 330P	1	<!>
C1003		VCK0041	250V 330P	1	<!>
C1004		VCK0041	250V 330P	1	<!>
C1005		VCK0045	250V 1500P	1	<!>
C1006		VCK0045	250V 1500P	1	<!>
C1007		VCK0045	250V 1500P	1	<!>
C1008		VCK0045	250V 1500P	1	<!>
C1009		ECQU2A104MN	MYLAR 250V 0.100U	1	<!>
C1010		ECOS2GU101F	ELECTROLYTIC 400V 100U	1	
C1011		ECQE6473MZ	MYLAR 630V 0.047U	1	
C1012		ECEA1CGE470	ELECTROLYTIC 16V 47U	1	
C1013		ECQB1H472KH	MYLAR 50V 4700P	1	
C1014		ECQV1H474JZ	MYLAR 50V 0.47U	1	
C1018		ECEA1HGE470	ELECTROLYTIC 50V 47U	1	
C1019		ECEA1EGE102	ELECTROLYTIC 25V 1000U	1	
C1020		ECEA1EGE102	ELECTROLYTIC 25V 1000U	1	
C1021		ECEA1CGE100	ELECTROLYTIC 16V 10U	1	
C1022		ECEA1HGE470	ELECTROLYTIC 50V 47U	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1023		ECEA1AGE102Z	ELECTROLYTIC 10V 1000U	1	
C1024		ECEA0JFE102X	ELECTROLYTIC 6.3V 1000U	1	
C1025		ECEA1HGE470	ELECTROLYTIC 50V 47U	1	
C1027		ECKD3D151KB	CERAMIC 2KV 150P	1	
C1030		ECKF1H1032F	CERAMIC 50V 0.01U	1	
C1031		VCK0045	250V 1500P	1	<!>
C1032		VCK0045	250V 1500P	1	<!>
C1033		VCK0041	250V 330P	1	<!>
C1034		VCK0041	250V 330P	1	<!>
C1035		VCK0045	250V 1500P	1	<!>
C1036		VCK0045	250V 1500P	1	<!>
C1037		ECQU2A224MN	MYLAR 250V 0.22U	1	<!>
C1038		VCK0045	250V 1500P	1	<!>
C1039		ECEA1CGE470	ELECTROLYTIC 16V 47U	1	
C1040		ECQP1101JZ	MYLAR 125V 100P	1	
C1041		ECKF1H1032F	CERAMIC 50V 0.01U	1	
C1042		ECKF1H1032F	CERAMIC 50V 0.01U	1	
			DIODES		
D1001		S1WBA60	DIODE	1	<!>
D1002		ERA22-08	DIODE	1	
D1003		MA178	DIODE	1	
D1004		MA178	DIODE	1	
D1005		MA178	DIODE	1	
D1007		MA185	DIODE	1	
D1008		MA185	DIODE	1	
D1010		ERC30-02L3	DIODE	1	
D1012		MA4130L	DIODE	1	
D1013		MA185	DIODE	1	
D1015		ERA82-004	DIODE	1	
D1016		AK04V2	DIODE	1	
D1019		MA165	DIODE	1	
D1024		MA178	DIODE	1	
D1025		MA178	DIODE	1	
D1026		MA4082H	DIODE	1	
D1027		ERC30-02L3	DIODE	1	
D1029		ENB461D-05A	SURGE ABSORBER 460V	1	
D1030		MA4082	DIODE	1	
			FUSES		
F1001		XBA2C16TB0	250V 1.6A	1	<!>
F1002		XBA2C25TB0	250V 2.5A	1	<!>
			INTEGRATED CIRCUIT		
IC1001		STK5338	IC	1	
			COIL		
L1001		ELF18D428	COIL	1	<!>
L1002		ELC07D220	COIL 22U	1	
			CONNECTOR		
P1001		VJS1962	CONNECTOR (FEMALE)	1	
			TRANSISTORS		
Q1001		STR10006C	TRANSISTOR	1	<!>
Q1004		2SD638	TRANSISTOR	1	(Q,R,S)
Q1011		2SB643	TRANSISTOR	1	(Q)
			RESISTORS		
R1002		ERF2AK2R2	WIRE WOUND 2W 2.2	1	<!>
R1003		ERDS2TJ474	CARBON 1/4W 470K	1	
R1004		ERDS2TJ474	CARBON 1/4W 470K	1	
R1005		ERDS2TJ474	CARBON 1/4W 470K	1	
R1006		ERDS2TJ474	CARBON 1/4W 470K	1	
R1007		ERG2ANJ683	METAL OXIDE 2W 68K	1	
R1008		ERW2PKR39	WIRE WOUND 2W 0.39	1	
R1009		ERG1SJ181	METAL OXIDE 1W 180	1	
R1012		ERQ12HJ6R8P	FUSE 1/2W 6.8	1	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1014		ERD2FCJ4R7	CARBON 2W 4.7	1	
R1015		ERQ12HJ1R0P	FUSE 1/2W 1	1	<!>
R1016		ERQ12HJ6R8P	FUSE 1/2W 6.8	1	<!>
R1017		ERG12ANJ182	METAL OXIDE 1/2W 1800	1	
R1025		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R1028		ERDS2TJ271	CARBON 1/4W 270	1	
R1029		ERC12GM334	S.RESISTOR 1/2W 330K	1	
			TRANSFORMER		
T1001		VLT0325	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJS1972	INLET (MALE)	1	<!>
		VSC1831	SHIELD PLATE	1	
		VJF0381	FUSE HOLDER	4	<!>
	■	ENC87959	RF CONVERTER & ANTENA		<!>
			BOOSTER UNIT		
			INTEGRATED CIRCUIT		
IC1		LA7051	IC	1	
			TRANSISTORS		
Q1		2SC2570A	TRANSISTOR	1	OR 2SC3355
Q2		2SC3130	TRANSISTOR	1	
			DIODES		
D1		MA1075	ZENER	1	
D2		HSM276S		1	
D3		MA166	DIODE	1	
			NOTE:		
			THE OTHER PARTS FOR		
			RF CONVERTER & ANTENA		
			BOOSTER UNIT ARE		
			NOT AVAILABLE AS SPARE		
			PARTS.		
	■	VEP22066A	PROGRAMMABLE REMOTE		
			CONTROL UNIT C.B.A		
			CAPACITORS		
C1		ECEA0GKS101	ELECTROLYTIC 4V 100U	1	
C2		ECKF1H121KB	CERAMIC 50V 120P	1	
C3		ECKF1H121KB	CERAMIC 50V 120P	1	
C4		ECQB1H222KZ	MYLAR 50V 2200P	1	
			DIODES		
D1		SE303AY	DIODE	1	
D4		MA165	DIODE	1	
D5		MA165	DIODE	1	
D6		MA165	DIODE	1	
D7		MA165	DIODE	1	
D8		MA165	DIODE	1	
D9		MA165	DIODE	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			INTEGRATED CIRCUIT		
IC1		MN6011D	IC	1	
			COMBINATION PART		
			(TRANSISTOR & RESISTORS)		
QR1		UN1231	TRANSISTOR - RESISTORS	1	
			RESISTOR		
R1		ERDS2TJ1R0	CARBON 1/4W 1.0	1	
			CRYSTAL OSCILLATOR		
X1		VSX0201	CRYSTAL OSCILLATOR	1	
	■	VEP66033C	DIGITAL SCANNER C.B.A.		
			CAPACITORS		
C01		ECEA1AKA470	ELECTROLYTIC 10V 47U	1	
C02		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C03		ECUM1E104ZFM	CHIP 25V 0.1U	1	
C04		ECUM1E104ZFM	CHIP 25V 0.1U	1	
C05		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C06		ECEA1AKA470	ELECTROLYTIC 10V 47U	1	
C07		ECUM1H330JCN	CHIP 50V 33P	1	
C08		ECUM1H330JCN	CHIP 50V 33P	1	
C09		ECUM1H103ZFN	CHIP 50V 0.01U	1	
			DIODES		
D01		MA151WK	DIODE	1	
D02		MA151WK	DIODE	1	
D03		MA151WK	DIODE	1	
D04		MA151WK	DIODE	1	
D05		MA153	DIODE	1	
D06		SE303AY	DIODE	1	
			INTEGRATED CIRCUITS		
IC01		UPD49HG89122	IC	1	
IC02		UPC324G2-T2	IC	1	
IC03		NJM78L02AA	IC	1	
			COIL		
L01		ELT3K017B	COIL	1	
			TRANSISTORS		
Q01		2SB710	TRANSISTOR CHIP	1	(Q,R,S)
Q02		2SB710	TRANSISTOR CHIP	1	(Q,R,S)
Q03		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q04		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
Q05		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
			RESISTORS		
R01		ERJ6GMYJ560	CHIP 1/16W 56	1	
R02		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R03		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R04		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R05		ERJ6GMYJ202	CHIP 1/16W 2K	1	
R06		ERJ6GMYJ244	CHIP 1/16W 240K	1	
R07		ERJ6GMYJ162	CHIP 1/16W 1.6K	1	
R10		ERJ8GCYK106	CHIP 1/8W 10M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R11		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R12		ERJ8GCYK106	CHIP 1/8W 10M	1	
R13		ERJ6GMYJ361	CHIP 1/16W 360	1	
R14		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R15		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R16		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R17		ERJ8GMYJ682	CHIP 6.8K	1	
R18		ERJ8GCYJ120	CHIP 12	1	
R20		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R23		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R24		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R29		ERJ8GCYJ150	CHIP 15	1	
			SWITCHES		
SW01		VSS0126	SWITCH	1	
SW02		EVQQFV02K	SWITCH	1	
			CRYSTAL OSCILLATORS		
X01		VSX0224T	CRYSTAL OSCILLATOR	1	
X02		EFBAL30D001K	BUZZER	1	
			VARIABLE RESISTOR		
VR09		EVND4KA00B35	VARIABLE	1	
	■	VEP00K62A	CYLINDER DRIVE C.B.A		
			CAPACITORS		
C2901		ECEA1VSN2R2	ELECTROLYTIC 35V 2.2U	1	
C2902		ECEA1VSN2R2	ELECTROLYTIC 35V 2.2U	1	
C2903		ECEA1VSN2R2	ELECTROLYTIC 35V 2.2U	1	
C2904		ECUM1E104KBM	CHIP 25V 0.1U	1	
C2905		ECUM1E104KBM	CHIP 25V 0.1U	1	
C2906		ECUM1E104KBM	CHIP 25V 0.1U	1	
C2907		ECQV1H823	MYLAR 50V 0.082U	1	
C2908		ECUM1E473KBM	CHIP 25V 0.047U	1	
C2909		ECUM1E104KBM	CHIP 25V 0.1U	1	
C2910		ECEA1CKS100	ELECTROLYTIC 16V 10U	1	
C2911		ECEA1CKS100	ELECTROLYTIC 16V 10U	1	
C2912		ECEA0JKS220	ELECTROLYTIC 6.3V 22U		
			INTEGRATED CIRCUIT		
IC2901		AN3814K	IC	1	
			RESISTOR		
R2901		ERX12ANJR68	METAL OXIDE 1/4W 0.68	1	
			CONNECTORS		
P2901		VJP1232T	CONNECTOR (MALE)	1	
P2902		VJP1927	CONNECTOR (MALE)	1	
			MISCELLANEOUS		
		VSC1843	SINK HEAT	1	
		VMA6884	MAIN HOLDER	1	
	■	VEP00J52A	MECHANISM CONNECTION		
			C.B.A. CONNECTORS		

To guarantee the FUNCTION,SAFETY and RELIABILITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P1504		VJP1939	CONNECTOR (MALE) 12P	1	
P1505		VJP1242T	CONNECTOR (MALE) 2P	1	
			RESISTORS		
R1501		ERDS2TJ223	CARBON 1/4W 22K	1	
	■	VEPOOH31A	REEL SENSOR C.B.A.		
			PHOTO TRANSISTOR		
			INTEGRATED CIRCUITS		
IC1501		ON2170		1	
			CONNECTOR		
P1506		VJP1242	2P	1	
	■	VXA2689	LED C.B.A. UNIT		
			DIODES		
D1501		GL450	PHOTO DIODE	1	
			MISELLANEOUS		
		VMD0911	LED HOLDER	1	
		VWJ0254	FLEXISIBLE C.B	1	
	■	VEPOOH34A	TAKEUP PHOTO Tr C.B.A.		
			CAPACITORS		
C1502		ECKW1H102KBN	CERAMIC 50V 1000P	1	
			RESISTORS		
R1503		ERDS2TJ222	CARBON 1/4W 2.2K	1	
			CONNECTORS		
P1503		VJS1936		1	
P1508		VJP1242T		1	
			TRANSISTOR		
Q1502		PN150NV	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TR HOLDER	1	
	■	VEPOOH35A	SUPPLY PHOTO Tr C.B.A.		
			CAPACITOR		
C1501		ECKW1H102KBN	CERAMIC 50V 1000P	1	
			TRANSISTOR		
Q1501		PN150NV	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TR HOLDER	1	

PARTS LIST MODEL NO.: NV-H65EE

2. NV-H65EE Mechanical Replacement Parts List

Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS ,K-1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P-uuF.
4. The P.C.Board units marked width'█'show below the main assembled parts.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03390J	MAIN C.B.A. (SYSTEM CONTROL, SERVO, LUMINANCE&CHROMINANCE, AUDIO,CH SELECT,POWER)	1	INCLUDING THE SERVO PACK C.B.A. (VEP02263A).SUB SERVO PACK C.B.A(VEP02259A) LUMINANCE&CHROMINANCE C.B.A.(VEP03381A), SECAM PACK C.B.A. (VEP03382A), INPUT SELECT PACK C.B.A. (VEP04173B),SUB INPUT SELECT PACK C.B.A.(VEP04174A) CH SELECT PACK (VEP07362B)
		VEP02263A	SERVO PACK C.B.A.	1	INCLUDING THE SUB SERVO PACK(VEP02259A) PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP02259A	SUB SERVO PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP03381A	LUMINANCE & CHROMINANCE PACK C.B.A.	1	INCLUDING THE SECAM PACK C.B.A(VEP03382A) PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP03382A	SECAM PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP05097C	HEAD AMP PACK C.B.A.	1	
		VEP04179A	FM AUDIO C.B.A.	1	INCLUDING SUB FM AUDIO C.B.A. (VEP04182A)
		VEP00H59B	SUB FM AUDIO C.B.A	1	PART LIST IS INCLUDED IN FM AUDIO C.B.A.(VEP04179A)
		VEP04173B	INPUT SELECT PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP04174A	SUB INPUT SELECT PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP06382D	OPERATION C.B.A.	1	
		VEP07378C	TIMER C.B.A.	1	
		VEP00H51N	INTERFACE (DEMODU UNIT) C.B.A	1	INCLUDING DEMODULATOR PACK C.B.A (VEP07445A), TUNER/ARU PACK C.B.A.(VEP07446A), DECODER PACK C.B.A (VEP07447A),MUTING C.B.A (VEP07364A)
		VEP07445A	DEMODULATOR PACK C.B.A.	1	
		VEP07447A	DECODER PACK C.B.A.	1	
		VEP07362B	CHANNEL SELECT PACK C.B.A.	1	PART LIST IS INCLUDED IN MAIN C.B.A.
		VEP07446A	TUNER/ARU PACK C.B.A.	1	INCLUDING THE RF CONVERTER UNIT (ENC87959), MUTING C.B.A. (VEP07364A)
		VEP07364A	MUTING C.B.A.	1	PART LIST IS INCLUDED IN TUNER/ ARU PACK C.B.A.
		VEP01264D	POWER C.B.A.	1	
		VEP00H48A	SUB POWER C.B.A.	1	
		VEP00H69B	HEADPHONE C.B.A.	1	
		ENC87959	RF CONVERTER	1	<!>
		TNV79461F2	TUNER	1	<!>
		VEP06380B	IR RECEIVER C.B.A.	1	PART LIST IS INCLUDED IN TIMER C.B.A(VEP07378C)
		VEP22066A	PROGRAMMABLE REMOTE CONTROL UNIT C.B.A.	1	
		VEP00K62A	CYLINDER DRIVE C.B.A.	1	
		VEP00H30A	MECHANISM CONNECTION C.B.A.	1	
		VEP00H31A	REEL SENSOR C.B.A.	1	
		VXA2689	LED C.B.A.	1	
		VEP00K27A	PHOTO TR(T) C.B.A.	1	
		VEP00H35A	PHOTO TR(S) C.B.A.	1	
	█	VEP03390J	MAIN C.B.A. (SYSTEM CONTROL,SERVO, LUMINANCE & CHROMINANCE, AUDIO,CH SELECT,POWER)		INCLUDING THE SERVO PACK C.B.A. (VEP02263A),SUB SERVO PACK C.B.A (VEP02259A), LUMINANCE & CHROMINANCE PACK C.B.A.(VEP03381A), SECAM PACK C.B.A. (VEP03382A), INPUT SELECT PACK C.B.A.(VEP04173B), SUB INPUT SELECT PACK C.B.A. (VEP04174A),CH SELECT PACK C.B.A (VEP07362B)
			CAPACITORS		
C202		ECEA1HK4R7	ELECTROLYTIC 50V 4.7U	1	
C203		ECUX1H562KBN	CHIP 50V 5600P	1	
C204		ECEA1CKN100	ELECTROLYTIC 16V 10U	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C205		ECUX1E223KBN	CHIP 25V 0.022P	1	
C206		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C207		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C208		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C209		ECEA1HKN010	ELECTROLYTIC 50V 1U	1	
C210		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C212		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C213		ECQV1H683JZ	MYLAR 50V 0.068U	1	
C214		ECUX1H102KBN	CHIP 50V 1000P	1	
C215		ECEA1HKNR33	ELECTROLYTIC 50V 0.33U	1	
C216		ECEA1HK0R1	ELECTROLYTIC 50V 0.1U	1	
C217		ECEA1HKR47	ELECTROLYTIC 50V 0.47U	1	
C218		ECUX1H472KBN	CHIP 50V 4700P	1	
C219		ECQV1H334JZ	MYLAR 50V 0.33U	1	
C220		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C221		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C222		ECQB1H562JH	MYLAR 50V 5600P	1	
C223		ECUX1E223KBN	CHIP 25V 0.022P	1	
C224		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C225		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C226		ECUX1H103KBN	CHIP 50V 0.01U	1	
C227		ECUX1H562KBN	CHIP 50V 5600P	1	
C228		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C229		ECQV1H394JZ	MYLAR 50V 0.39U	1	
C230		ECEA1CKN100	ELECTROLYTIC 16V 10U	1	
C231		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C232		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C233		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C234		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C235		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C236		ECUX1E223KBN	CHIP 25V 0.022P	1	
C237		ECQB1H562JH	MYLAR 50V 5600P	1	
C238		ECEA0JK101	ELECTROLYTIC 6.3V 100U	1	
C239		ECEA0JK221	ELECTROLYTIC 6.3V 220U	1	
C240		ECEA16Z10	ELECTROLYTIC 16V 10U	1	
C241		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C242		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C243		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C244		ECEA1HK4R7	ELECTROLYTIC 50V 4.7U	1	
C245		ECUX1H562KBN	CHIP 50V 5600P	1	
C246		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C248		ECUX1H102KBN	CHIP 50V 1000P	1	
C249		ECUX1E223KBN	CHIP 25V 0.22U	1	
C271		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C272		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C274		ECQB1H103KH	MYLAR 50V 0.01U	1	
C301		ECUX1H271KBN	CHIP 50V 270P	1	
C302		ECEA0JU331	ELECTROLYTIC 6.3V 330U	1	
C303		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C304		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C305		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C306		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C307		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C309		ECUX1H560JCN	CHIP 50V 56P	1	
C310		ECUX1H820JCN	CHIP 50V 82P	1	
C311		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C312		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C313		ECUX1H100DCN	CHIP 50V 10P	1	
C314		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C315		ECEA1EKN2R2	ELECTROLYTIC 25V 2.2U	1	
C316		ECUX1H180JCN	CHIP 50V 18P	1	
C317		ECUX1H180JCN	CHIP 50V 18P	1	
C318		ECUX1H180JCN	CHIP 50V 18P	1	
C319		ECUX1H180JCN	CHIP 50V 18P	1	
C321		ECUX1H040CCN	CHIP 50V 4P	1	
C322		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C323		ECUX1H120JCN	CHIP 50V 12P	1	
C325		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C326		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C328		ECEA1HK0R1	ELECTROLYTIC 50V 0.1U	1	
C330		ECUX1H220JCN	CHIP 50V 22P	1	
C331		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C332		ECUX1H680JCN	CHIP 50V 68P	1	
C333		ECUX1H151JCN	CHIP 50V 150P	1	
C334		ECUX1H103ZFN	CHIP 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C335		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C336		ECUX1H470JCN	CHIP 50V 47P	1	
C337		ECUX1H100DCN	CHIP 50V 10P	1	
C801		ECUX1H391KBN	CHIP 50V 390P	1	
C802		ECQB1H223JH	MYLAR 50V 0.022U	1	
C803		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C804		ECUX1H270JCN	CHIP 50V 27P	1	
C805		ECUX1H471KBN	CHIP 50V 470P	1	
C806		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C807		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C808		ECEA10Z100	ELECTROLYTIC 10V 100U	1	
C809		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C810		ECUX1H050CCN	CHIP 50V 5P	1	
C811		ECUX1H102KBN	CHIP 50V 1000P	1	
C812		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C813		ECQV1H154JZ	MYLAR 50V 0.15U	1	
C814		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C815		ECUX1H471KBN	CHIP 50V 470P	1	
C816		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C817		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C818		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C819		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C820		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C821		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C822		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C823		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C824		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C825		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C826		ECUM1H820KBN	CHIP 50V 82P	1	
C827		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C851		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C852		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C853		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C854		ECQV1H563JZ	MYLAR 50V 0.056U	1	
C855		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C856		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C857		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C858		ECKF1H681KB	CERAMIC 50V 680P	1	
C1101		ECEA0JU470	ELECTROLYTIC 6.3V 47U	1	
C1102		ECEA0JU470	ELECTROLYTIC 6.3V 47U	1	
C1103		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C1105		ECEA1EK100	ELECTROLYTIC 25V 10U	1	
C2001		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2002		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2003		ECQB1H333JH	MYLAR 50V 0.033U	1	
C2004		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2005		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2006		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C2007		ECQB1H223JH	MYLAR 50V 0.022U	1	
C2008		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2011		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
C2012		ECQB1H332KH	MYLAR 50V 3300P	1	
C2013		ECQB1H332KH	MYLAR 50V 3300P	1	
C2014		ECQB1H332KH	MYLAR 50V 3300P	1	
C2016		ECEA25Z47	ELECTROLYTIC 47U	1	
C2017		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C2018		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2019		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C2020		ECQV1H474JZ	MYLAR 50V 0.47U	1	
C3001		ECEA1CU470	ELECTROLYTIC 16V 47U	1	
C3002		ECEA0JU471	ELECTROLYTIC 6.3V 470U	1	
C3004		ECEA0JK220	ELECTROLYTIC 6.3V 22U	1	
C3005		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3006		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C3007		ECCF1H150JC	CERAMIC 50V 15P	1	
C3008		ECCF1H220JC	CERAMIC 50V 22P	1	
C3009		ECKF1H681KB	CERAMIC 50V 680P	1	
C3010		VCKD1H151JA	CERAMIC 50V 150P	1	
C3013		ECEA1HN010SB	ELECTROLYTIC 50V 1U	1	
C3014		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C3015		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C3016		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C3017		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C3018		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C3019		ECCF1H220JC	CERAMIC 50V 22P	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3020		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C3901		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C3902		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C3903		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C3904		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C3905		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C3906		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3907		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3908		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3909		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C3910		VCYD1E332MR	SEMICONDUCTOR 25V 3300P	1	
C3911		VCYD1E332MR	SEMICONDUCTOR 25V 3300P	1	
C3951		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C4003		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4004		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4005		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4006		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4007		ECEA1CKL100	ELECTROLYTIC 16V 10U	1	
C4008		ECKF1H471KB	CERAMIC 50V 470P	1	
C4009		ECKF1H101KB	CERAMIC 50V 100P	1	
C4010		ECQB1H123JH	MYLAR 50V 0.012U	1	
C4011		ECEA1CKL100	ELECTROLYTIC 16V 10U	1	
C4012		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4013		ECEA1AK220	ELECTROLYTIC 10V 22U	1	
C4014		ECEA1AK101	ELECTROLYTIC 10V 100U	1	
C4015		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4016		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4018		ECQB1H223JH	MYLAR 50V 0.022U	1	
C4019		ECQB1H273KH	MYLAR 50V 0.027U	1	
C4020		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4021		ECKF1H102KB	CERAMIC 50V 1000P	1	
C4023		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4024		ECQP1222JZ	MYLAR 100V 2200P	1	
C4025		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C4026		ECEA16Z47	ELECTROLYTIC 16V 47U	1	
C4027		ECCD2H121K	CERAMIC 500V 120P	1	
C4029		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
C4573		ECCR1H101JL	CERAMIC 50V 100P	1	
C4901		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
C4902		ECEA1CK101	ELECTROLYTIC 16V 100U	1	
C4903		ECKF1H101KB	CERAMIC 50V 100P	1	
C4904		ECKF1H101KB	CERAMIC 50V 100P	1	
C4905		ECKF1H222KB	CERAMIC 50V 2200P	1	
C4906		ECKF1H222KB	CERAMIC 50V 2200P	1	
C4911		ECKF1H101KB	CERAMIC 50V 100P	1	
C4912		ECKF1H101KB	CERAMIC 50V 100P	1	
C4917		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4918		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4924		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C4925		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C4951		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4952		ECEA1AK101	ELECTROLYTIC 10V 100U	1	
C4953		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4954		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4955		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4957		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4959		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4960		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4961		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4962		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4963		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4964		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4965		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C4966		ECCF1H470JC	CERAMIC 50V 47P	1	
C4967		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4968		ECQB1H222KH	MYLAR 50V 2200P	1	
C4969		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4970		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C6001		ECEA0JK220	ELECTROLYTIC 6.3V 22U	1	
C6002		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C6003		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C6006		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C6007		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C6011		ECQB1H103KH	MYLAR 50V 0.01U	1	
C6012		ECQB1H103KH	MYLAR 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6013		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C6016		ECKF1H221KB	CERAMIC 50V 220P	1	
C6017		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6018		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6019		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6020		ECQB1H103KH	MYLAR 50V 0.01U	1	
C6021		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C6022		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C6023		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7552		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7553		ECEA1VK100	ELECTROLYTIC 35V 1U	1	
C7554		ECEA1VK220	ELECTROLYTIC 35V 22U	1	
C7555		ECQB1H273KH	MYLAR 50V 0.027U	1	
C7556		ECQV1H823JZ	MYLAR 50V 0.082U	1	
C7557		ECQV1H683JZ	MYLAR 50V 0.068U	1	
C7558		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7559		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C7560		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7561		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7563		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C7564		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7565		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7566		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7569		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7570		ECEA1HN010	ELECTROLYTIC 50V 1U	1	
C7571		EECF5R5U473	GOLD 5.5V 0.047F	1	
			COMBINATION PARTS		
			(RESISTORS & CAPACITORS)		
CR3001		EXED103Z821C	C & R 0.01U 820	1	
CR4001		EXED102K472C	C & R 0.01U 15K	1	
CR4002		EXED103Z153C	C & R 0.01U 15K	1	
			DIODES		
D201		MA165	DIODE	1	
D202		MA165	DIODE	1	
D203		MA165	DIODE	1	
D204		MA165	DIODE	1	
D205		MA165	DIODE	1	
D301		MA165	DIODE	1	
D302		MA165	DIODE	1	
D303		1SS283	DIODE	1	
D304		1SS283	DIODE	1	
D801		MA165	DIODE	1	
D802		MA165	DIODE	1	
D1101		11ES2	DIODE	1	
D1102		MA165	DIODE	1	
D2007		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3002		MA165	DIODE	1	
D3003		MA165	DIODE	1	
D3901		MA165	DIODE	1	
D3951		MA165	DIODE	1	
D4001		MA165	DIODE	1	
D4002		MA165	DIODE	1	
D4003		MA165	DIODE	1	
D4951		RD6.2JB	ZENER 6.2V	1	
D4952		MA165	DIODE	1	
D4953		MA165	DIODE	1	
D4956		MA165	DIODE	1	
D4957		MA165	DIODE	1	
D6001		ERA15-01	DIODE	1	
D6004		MA165	DIODE	1	
D6005		MA165	DIODE	1	
D6009		MA165	DIODE	1	
D6010		MA165	DIODE	1	
D6011		MA165	DIODE	1	
D6012		MA165	DIODE	1	
D6017		ERA15-01	DIODE	1	
D6018		MA4056M	DIODE	1	
D6019		MA4140M	DIODE	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6020		MA4110M	DIODE	1	
D6021		MA165	DIODE	1	
D6022		MA165	DIODE	1	
D6023		MA165	DIODE	1	
D6024		MA165	DIODE	1	
D6028		MA165	DIODE	1	
D6029		MA165	DIODE	1	
D7550		MA165	DIODE	1	
D7551		MA165	DIODE	1	
D7554		LN28WPVT	LED	1	
D7555		MA27WB	DIODE	1	
D7558		MA165	DIODE	1	
D7559		MA165	DIODE	1	
D7560		MA165	DIODE	1	
			DELAY LINE		
DL301		EFDEN645A51F	DELAY LINE	1	
DL801		EFDHR124A13A	DELAY LINE	1	
			FILTERS		
FL301		ELB4M022	FILTER	1	
FL303		VLF0499	FILTER	1	
FL801		VLF0299	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3901		ELB4H020	FILTER	1	
FL4001		VLF0332	FILTER	1	
			INTEGRATED CIRCUITS		
IC201		UPD6160CA603	IC	1	
IC202		UPD6161CA602	IC	1	
IC203		AN6562	IC	1	
IC301		VEFY017	FIC	1	
IC801		VEFC013	FIC	1	
IC851		BA7025L	IC	1	
IC2001		BA6430S	IC	1	
IC3901		TA7348P	IC	1	
IC3902		BA7004	IC	1	
IC3951		UPD4001BC	IC	1	
IC4001		BA7752LS	IC	1	
IC4951		UPD4052BC	IC	1	
IC4952		AN6558	IC	1	
IC4953		UPC4558C	IC	1	
IC4954		M5201L	IC	1	
IC6001		MN15362VJR	IC	1	
IC6002		AN6914	IC	1	
IC6003		UPD4510BC	IC	1	
IC6004		MN1280	IC	1	
IC7551		AN5033	IC	1	
IC7552		AN6913	IC	1	
IC7553		UPD4066BC	IC	1	
			COILS		
L301		VLQEL05F180K	COIL 18UH	1	
L302		VLQEL05F180K	COIL 18UH	1	
L303		VLQEL05F101K	COIL 100UH	1	
L304		VLQEL05F101K	COIL 100UH	1	
L305		VLQEL05F101K	COIL 100UH	1	
L306		VLQEL05F820K	COIL 82UH	1	
L307		VLQEL05F101K	COIL 100UH	1	
L310		VLQEL05F101K	COIL 100UH	1	
L311		VLQEL05F270K	COIL 27UH	1	
L801		VLQEL05F150K	COIL 15UH	1	
L802		VLQEL05F470K	COIL 47UH	1	
L803		VLQEL05F270K	COIL 27UH	1	
L804		VLQEL05F151K	COIL 150UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F470K	COIL 47UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L807		VLQEL05F331K	COIL 330UH	1	
L808		VLQEL05F681K	COIL 680UH	1	
L809		VLQEL05F681K	COIL 680UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L851		VLQEL05F101K	COIL 100UH	1	
L2001		VLQEL05F102K	COIL 1000UH	1	
L3001		VLQEL05F101K	COIL 100UH	1	
L3002		VLQEL05F101K	COIL 100UH	1	
L3003		VLQEL05F120K	COIL 12UH	1	
L3004		VLQEL05F101K	COIL 100UH	1	
L3005		VLQEL05F6R8K	COIL 6.8UH	1	
L3901		VLQEL05F101K	COIL 100UH	1	
L3902		VLQEL05F101K	COIL 100UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		VLQEL05F101K	COIL 100UH	1	
L4905		VLQEL05F101K	COIL 100UH	1	
L4906		VLQEL05F101K	COIL 100UH	1	
L7551		VLQEL05F102K	COIL 1000UH	1	
			CONNECTORS		
P501		VJS1235T	CONNECTOR(FEMALE)	1	
P502		VJS1236T	CONNECTOR(FEMALE)	1	
P1504		VJS1239T	CONNECTOR(FEMALE)	1	
P1504		VJP1932T	CONNECTOR(MALE)	1	
P2901		VJS1232T	CONNECTOR(FEMALE)	1	
P4001		VJP1233T	CONNECTOR(MALE) 6P	1	
P4003		VJS1446	CONNECTOR(FEMALE)	1	
P4004		VJP1141	CONNECTOR(MALE) 2P	1	
P4502		VJS1231T	CONNECTOR(FEMALE)	1	
P6002		VJS1935	CONNECTOR(FEMALE)	1	
P6003		VJP1393T	CONNECTOR(MALE) 13P	1	
P7301		VJP1231T	CONNECTOR(MALE) 4P	1	
P7302		VJS1961	CONNECTOR(FEMALE)	1	
P7303		VJP1239T	CONNECTOR(MALE) 12P	1	
P7404		VJS1475	CONNECTOR(FEMALE)	1	
P7503		VJS1239T	CONNECTOR(FEMALE)	1	
P7504		VJS1234R	CONNECTOR(FEMALE)	1	
P7505		VJS1234T	CONNECTOR(FEMALE)	1	
P7801		VJS1234T	CONNECTOR(FEMALE)	1	
			TRANSISTORS		
Q201		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
Q202		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
Q204		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q205		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q206		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q208		2SD601	TRANSISTOR CHIP	1	(Q,R,S)
Q271		2SD636	TRANSISTOR	1	
Q272		2SD636	TRANSISTOR	1	
Q273		2SD636	TRANSISTOR	1	
Q274		2SD636	TRANSISTOR	1	
Q301		2SD601	TRANSISTOR CHIP	1	
Q302		2SB709	TRANSISTOR CHIP	1	
Q303		2SB709	TRANSISTOR CHIP	1	
Q304		2SD601	TRANSISTOR CHIP	1	
Q305		2SB709	TRANSISTOR CHIP	1	
Q306		2SD601	TRANSISTOR CHIP	1	
Q307		2SC2295	TRANSISTOR	1	
Q308		2SB709	TRANSISTOR CHIP	1	
Q801		2SC2295	TRANSISTOR	1	
Q802		2SD601	TRANSISTOR CHIP	1	
Q803		2SD601	TRANSISTOR CHIP	1	
Q804		2SC2295	TRANSISTOR	1	
Q805		2SD601	TRANSISTOR CHIP	1	
Q806		2SC2295	TRANSISTOR	1	
Q851		2SC2206	TRANSISTOR	1	
Q1101		2SC1384	TRANSISTOR	1	(S)
Q2001		2SB641	TRANSISTOR	1	
Q2002		2SD636	TRANSISTOR	1	
Q3001		2SB641	TRANSISTOR	1	(Q,R,S)
Q3003		2SD636	TRANSISTOR	1	(Q,R,S)

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3004		2SC2206	TRANSISTOR	1	(A,B,C)
Q3005		2SD636	TRANSISTOR	1	(Q,R,S)
Q3050		2SD636	TRANSISTOR	1	
Q3901		2SC2206	TRANSISTOR	1	
Q3951		2SB641	TRANSISTOR	1	(Q,R,S)
Q4001		2SD639	TRANSISTOR	1	(R)
Q4002		2SD637	TRANSISTOR	1	
Q4003		2SD637	TRANSISTOR	1	
Q4004		2SB642	TRANSISTOR	1	
Q4005		2SD636	TRANSISTOR	1	
Q4006		2SD636	TRANSISTOR	1	
Q4007		2SB643	TRANSISTOR	1	
Q4901		2SD1330	TRANSISTOR	1	
Q4951		2SD636	TRANSISTOR	1	(Q,R,S)
Q6007		2SB790	TRANSISTOR	1	(Q,R,S)
Q6009		2SB790	TRANSISTOR	1	(Q,R,S)
Q6015		2SD638	TRANSISTOR	1	(R,S)
Q6016		2SD1275	TRANSISTOR	1	
Q6017		2SD893	TRANSISTOR	1	(Q,R,S)
Q6018		2SD973	TRANSISTOR	1	(Q,R,S)
Q6019		2SD638	TRANSISTOR	1	(Q,R,S)
Q7551		2SB644	TRANSISTOR	1	(Q,R,S)
Q7552		2SB644	TRANSISTOR	1	(Q,R,S)
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR201		UN2113	TRANSISTOR-RESISTOR	1	
QR202		UN2113	TRANSISTOR-RESISTOR	1	
QR301		UN2213	TRANSISTOR-RESISTOR	1	
QR851		DTC144EA	TRANSISTOR RESISTOR	1	
QR852		DTC144EA	TRANSISTOR RESISTOR	1	
QR853		DTC144EA	TRANSISTOR RESISTOR	1	
QR1101		UN1213	TRANSISTOR-RESISTOR	1	
QR2002		UN1212	TRANSISTOR-RESISTOR	1	
QR2007		UN1213	TRANSISTOR-RESISTOR	1	
QR3001		UN1111	TRANSISTOR-RESISTOR	1	
QR3002		UN1212	TRANSISTOR-RESISTOR	1	
QR3003		UN1113	TRANSISTOR-RESISTOR	1	
QR3004		UN1214	TRANSISTOR-RESISTOR	1	
QR3005		UN1212	TRANSISTOR-RESISTOR	1	
QR3006		UN1213	TRANSISTOR-RESISTOR	1	
QR4001		UN1213	TRANSISTOR-RESISTOR	1	
QR4003		UN1113	TRANSISTOR-RESISTOR	1	
QR6001		UN1212	TRANSISTOR-RESISTOR	1	
QR6004		UN1213	TRANSISTOR-RESISTOR	1	
QR6005		UN1213	TRANSISTOR-RESISTOR	1	
QR6006		UN1111	TRANSISTOR-RESISTOR	1	
QR6008		UN1111	TRANSISTOR-RESISTOR	1	
QR6011		UN1212	TRANSISTOR-RESISTOR	1	
QR6012		UN1113	TRANSISTOR-RESISTOR	1	
QR6013		UN1213	TRANSISTOR-RESISTOR	1	
QR7551		UN1213	TRANSISTOR-RESISTOR	1	
QR7556		UN1213	TRANSISTOR-RESISTOR	1	
QR7557		UN1213	TRANSISTOR-RESISTOR	1	
QR7558		UN1213	TRANSISTOR-RESISTOR	1	
QR7559		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R201		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R202		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R203		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R204		ERJ6GMYJ221	CHIP 1/16W 220	1	
R205		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R206		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R207		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R208		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R209		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R210		ERJ6GMYJ274	CHIP 1/16W 27K	1	
R211		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R212		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R213		ERJ6GMYJ154	CHIP 1/16W 150K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R214		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R215		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R216		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R217		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R218		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R219		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R222		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R223		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R224		ERJ6GMYJ561	CHIP 1/16W 560	1	
R225		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R226		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R227		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R228		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R229		ERJ6GMYJ221	CHIP 1/16W 220	1	
R230		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R231		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R232		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R233		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R234		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R235		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R236		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R237		ERJ6GMYJ154	CHIP 1/16W 150K	1	
R238		ERJ6GMYJ124	CHIP 1/16W 120K	1	
R239		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R240		ERJ6GMYG333	CHIP 1/16W 33K	1	
R241		ERJ6GMYJ684	CHIP 1/16W 68K	1	
R242		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R243		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R244		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R245		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R246		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R247		ERJ6GMYJ392	CHIP 1/16W 3.9K	1	
R248		ERJ6GMYG363	CHIP 1/16W 36K	1	
R250		ERJ6GMYJ821	CHIP 1/16W 820	1	
R253		ERDS2TJ684	CARBON 1/4W 680K	1	
R257		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R258		ERJ6GMYJ683	CHIP 1/16W 68K	1	
R259		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R260		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R261		ERJ6GMYJ183	CHIP 1/16W 18K	1	
R263		ERJ6GMYJ274	CHIP 1/16W 27K	1	
R271		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R272		ERDS2TJ154	CARBON 1/4W 150K	1	
R273		ERDS2TJ153	CARBON 1/4W 15K	1	
R274		ERDS2TJ154	CARBON 1/4W 150K	1	
R275		ERDS2TJ102	CARBON 1/4W 1K	1	
R276		ERDS2TJ273	CARBON 1/4W 27K	1	
R277		ERDS2TJ681	CARBON 1/4W 680	1	
R278		ERDS2TJ104	CARBON 1/4W 100K	1	
R279		ERDS2TJ683	CARBON 1/4W 68K	1	
R301		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R302		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R303		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R304		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R305		ERJ6GMYJ824	CHIP 1/16W 820K	1	
R306		ERJ6GMYJ151	CHIP 1/16W 150	1	
R307		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R308		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R309		ERJ6GMYJ684	CHIP 1/16W 68K	1	
R310		ERJ6GMYJ561	CHIP 1/16W 560	1	
R312		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R313		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R314		ERJ6GMYJ471	CHIP 1/16W 470	1	
R315		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R316		ERJ6GMYJ471	CHIP 1/16W 470	1	
R317		ERJ6GMYJ471	CHIP 1/16W 470	1	
R318		ERJ6GMYJ471	CHIP 1/16W 470	1	
R319		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R320		ERJ6GMYJ560	CHIP 1/16W 56	1	
R321		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R322		ERJ6GMYJ823	CHIP 1/16W 82K	1	
R323		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R324		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R325		ERJ6GMYJ681	CHIP 1/16W 680	1	
R326		ERJ6GMYJ183	CHIP 1/16W 18K	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R327		ERJ6GMYJ123	CHIP 1/16W 12K	1	
R328		ERJ6GMYJ151	CHIP 1/16W 150	1	
R329		ERJ6GMYJ333	CHIP 1/16W 33K	1	
R350		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R351		ERJ6GMYJ823	CHIP 1/16W 82K	1	
R352		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R801		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R802		ERJ6GMYJ101	CHIP 1/16W 100	1	
R803		ERJ6GMYJ822	CHIP 1/16W 8.2K	1	
R804		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R805		ERJ6GMYJ122	CHIP 1/16W 1.2K	1	
R806		ERJ6GMYJ271	CHIP 1/16W 270	1	
R807		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R808		ERJ6GMYJ105	CHIP 1/16W 1M	1	
R809		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R810		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R811		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R812		ERJ6GMYJ471	CHIP 1/16W 470	1	
R813		ERJ6GMYJ104	CHIP 1/16W 100K	1	
R814		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R815		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R816		ERJ6GMYJ821	CHIP 1/16W 820	1	
R817		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R818		ERJ6GMYJ273	CHIP 1/16W 27K	1	
R819		ERDS2TJ470	CARBON 1/4W 47	1	
R820		ERJ6GMYJ682	CHIP 1/16W 6.8K	1	
R821		ERJ6GMYJ822	CHIP 1/16W 8.2K	1	
R822		ERJ6GMYJ182	CHIP 1/16W 1.8K	1	
R823		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R824		ERJ6GMYJ272	CHIP 1/16W 2.7K	1	
R825		ERJ6GMYJ562	CHIP 1/16W 5.6K	1	
R826		ERJ6GMYJ390	CHIP 1/16W 39	1	
R827		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R828		ERJ6GMYJ472	CHIP 1/16W 4.7K	1	
R829		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R830		ERJ6GMYJ563	CHIP 1/16W 56K	1	
R831		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R832		ERJ6GMYJ271	CHIP 1/16W 270	1	
R833		ERJ6GMYJ471	CHIP 1/16W 470	1	
R834		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R835		ERJ6GMYJ473	CHIP 1/16W 47K	1	
R836		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R851		ERDS2TJ223	CARBON 1/4W 22K	1	
R852		ERDS2TJ390	CARBON 1/4W 39	1	
R853		ERDS2TJ154	CARBON 1/4W 150K	1	
R854		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R855		ERDS2TJ102	CARBON 1/4W 1K	1	
R856		ERDS2TJ103	CARBON 1/4W 10K	1	
R857		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R858		ERDS2TJ221	CARBON 1/4W 220	1	
R1101		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R1104		ERDS2TOT		1	
R2001		ERDS2TJ330	CARBON 1/4W 33	1	
R2002		ERDS2TJ330	CARBON 1/4W 33	1	
R2003		ERDS2TJ330	CARBON 1/4W 33	1	
R2004		ERX12SJ1R0	METAL OXIDE 1/2W 1	1	
R2005		ERDS2TJ102	CARBON 1/4W 1K	1	
R2006		EROS2CKG5601	METAL OXIDE 1/4W 5.6K	1	
R2007		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R2008		EROS2CKG6801	METAL OXIDE 1/4W 6.8K	1	
R2009		EROS2CKG5101	METAL OXIDE 1/4W 5.1K	1	
R2010		ERDS2TJ223	CARBON 1/4W 22K	1	
R2018		ERDS2TJ330	CARBON 1/4W 33	1	
R2029		ERDS2TJ683	CARBON 1/4W 68K	1	
R2030		ERDS2TJ333	CARBON 1/4W 33K	1	
R2031		ERDS2TJ473	CARBON 1/4W 47K	1	
R2032		ERDS2TJ124	CARBON 1/4W 120K	1	
R2033		ERDS2TJ683	CARBON 1/4W 68K	1	
R2034		ERDS2TJ391	CARBON 1/4W 390	1	
R2036		ERDS2TJ103	CARBON 1/4W 10K	1	
R3001		ERDS2TJ471	CARBON 1/4W 470	1	
R3004		ERDS2TJ103	CARBON 1/4W 10K	1	
R3005		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R3006		ERDS2TJ561	CARBON 1/4W 560	1	
R3008		ERDS2TJ102	CARBON 1/4W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3010		ERDS2TJ103	CARBON 1/4W 10K	1	
R3011		ERDS2TJ102	CARBON 1/4W 1K	1	
R3012		ERDS2TJ221	CARBON 1/4W 220	1	
R3013		ERDS2TJ223	CARBON 1/4W 22K	1	
R3050		ERDS2TJ473	CARBON 1/4W 47K	1	
R3901		ERDS2TJ750	CARBON 1/4W 75	1	
R3902		ERDS2TJ750	CARBON 1/4W 75	1	
R3903		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R3904		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R3905		ERDS2TJ104	CARBON 1/4W 100K	1	
R3906		ERDS2TJ750	CARBON 1/4W 75	1	
R3907		ERDS2TJ750	CARBON 1/4W 75	1	
R3909		ERDS2TJ750	CARBON 1/4W 75	1	
R3910		ERDS2TJ750	CARBON 1/4W 75	1	
R3911		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R3912		ERDS2TJ392	CARBON 1/4W 3.9K	1	
R3913		ERDS2TJ102	CARBON 1/4W 1K	1	
R3914		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R3915		ERDS2TJ561	CARBON 1/4W 560	1	
R3951		ERDS2TJ750	CARBON 1/4W 75	1	
R3952		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R3953		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R3954		ERDS2TJ684	CARBON 1/4W 680K	1	
R3955		ERDS2TJ684	CARBON 1/4W 680K	1	
R4001		ERDS2TJ100	CARBON 1/4W 10	1	
R4002		ERDS2TJ103	CARBON 1/4W 10K	1	
R4004		ERDS2TJ563	CARBON 1/4W 56K	1	
R4005		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R4006		ERDS2TJ123	CARBON 1/4W 12K	1	
R4008		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R4009		ERDS2TJ683	CARBON 1/4W 68K	1	
R4010		ERDS2TJ683	CARBON 1/4W 68K	1	
R4011		ERDS2TJ334	CARBON 1/4W 330K	1	
R4012		ERDS2TJ331	CARBON 1/4W 330	1	
R4013		ERDS2TJ103	CARBON 1/4W 10K	1	
R4015		ERDS2TJ105	CARBON 1/4W 1000K	1	
R4016		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R4017		ERDS2TJ223	CARBON 1/4W 22K	1	
R4018		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4019		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4020		EROS2CKG1602	METAL OXIDE 1/4W 16K	1	
R4021		ERDS2TJ103	CARBON 1/4W 10K	1	
R4022		ERDS2TJ123	CARBON 1/4W 12K	1	
R4023		ERDS2TJ333	CARBON 1/4W 33K	1	
R4024		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R4025		ERDS2TJ560	CARBON 1/4W 56	1	
R4026		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R4027		ERDS2TJ561	CARBON 1/4W 560	1	
R4029		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R4030		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4031		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4032		ERDS2TJ470	CARBON 1/4W 47	1	
R4033		ERDS2TJ104	CARBON 1/4W 100K	1	
R4901		ERDS2TJ102	CARBON 1/4W 1K	1	
R4902		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4903		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4904		ERDS2TJ101	CARBON 1/4W 100	1	
R4905		ERDS2TJ101	CARBON 1/4W 100	1	
R4906		ERDS2TJ471	CARBON 1/4W 470	1	
R4907		ERDS2TJ471	CARBON 1/4W 470	1	
R4910		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4911		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4912		ERDS2TJ221	CARBON 1/4W 220	1	
R4913		ERDS2TJ221	CARBON 1/4W 220	1	
R4914		ERDS2TJ471	CARBON 1/4W 470	1	
R4915		ERDS2TJ471	CARBON 1/4W 470	1	
R4918		ERDS2TJ224	CARBON 1/4W 220K	1	
R4919		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R4920		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R4922		EROS2CKG2201	METAL OXIDE 1/4W 2.2K	1	
R4923		EROS2CKG2201	METAL OXIDE 1/4W 2.2K	1	
R4951		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4952		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4953		ERDS2TJ153	CARBON 1/4W 15K	1	
R4954		ERDS2TJ473	CARBON 1/4W 47K	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4955		ERDS2TJ473	CARBON 1/4W 47K	1	
R4956		ERDS2TJ473	CARBON 1/4W 47K	1	
R4957		ERDS2TJ473	CARBON 1/4W 47K	1	
R4958		EROS2CKG4701	METAL OXIDE 1/4W 4.7K	1	
R4959		EROS2CKG2702	METAL OXIDE 1/4W 27K	1	
R4960		ERDS2TJ683	CARBON 1/4W 68K	1	
R4961		ERDS2TJ153	CARBON 1/4W 15K	1	
R4962		ERDS2TJ153	CARBON 1/4W 15K	1	
R4963		ERDS2TJ153	CARBON 1/4W 15K	1	
R4964		ERDS2TJ153	CARBON 1/4W 15K	1	
R4965		ERDS2TJ153	CARBON 1/4W 15K	1	
R4966		ERDS2TJ474	CARBON 1/4W 470K	1	
R4967		ERDS2TJ474	CARBON 1/4W 470K	1	
R4968		ERDS2TJ683	CARBON 1/4W 68K	1	
R4969		ERDS2TJ474	CARBON 1/4W 470K	1	
R4970		ERDS2TJ474	CARBON 1/4W 470K	1	
R4971		ERDS2TJ684	CARBON 1/4W 680K	1	
R4972		ERDS2TJ684	CARBON 1/4W 680K	1	
R4973		ERDS2TJ124	CARBON 1/4W 120K	1	
R4974		EROS2CKG3902	METAL OXIDE 1/4W 39K	1	
R4975		ERDS2TJ474	CARBON 1/4W 470K	1	
R4976		EROS2CKG3902	METAL OXIDE 1/4W 39K	1	
R4977		ERDS2TJ123	CARBON 1/4W 12K	1	
R4978		ERDS2TJ474	CARBON 1/4W 470K	1	
R4979		ERDS2TJ473	CARBON 1/4W 47K	1	
R4980		ERDS2TJ473	CARBON 1/4W 47K	1	
R4981		ERDS2TJ123	CARBON 1/4W 12K	1	
R4982		ERDS2TJ473	CARBON 1/4W 47K	1	
R4983		ERDS2TJ123	CARBON 1/4W 12K	1	
R4984		ERDS2TJ473	CARBON 1/4W 47K	1	
R4985		ERDS2TJ474	CARBON 1/4W 470K	1	
R4986		ERDS2TJ474	CARBON 1/4W 470K	1	
R4987		ERDS2TJ124	CARBON 1/4W 120K	1	
R4988		ERDS2TJ104	CARBON 1/4W 100K	1	
R4989		ERDS2TJ124	CARBON 1/4W 120K	1	
R4990		ERDS2TJ473	CARBON 1/4W 47K	1	
R4991		ERDS2TJ473	CARBON 1/4W 47K	1	
R4992		ERDS2TJ473	CARBON 1/4W 47K	1	
R4993		ERDS2TJ473	CARBON 1/4W 47K	1	
R4994		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R4995		ERDS2TJ393	CARBON 1/4W 39K	1	
R4996		ERDS2TJ123	CARBON 1/4W 12K	1	
R6001		ERDS1TJ470	CARBON 1/2W 47	1	
R6002		ERDS2TJ473	CARBON 1/4W 47K	1	
R6005		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R6006		ERD2FCG220P	CARBON 2W 22	1	<!>
R6007		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R6008		ERDS2TJ181	CARBON 1/4W 180	1	
R6009		ERDS2TJ561	CARBON 1/4W 560	1	
R6010		ERDS2TJ102	CARBON 1/4W 1K	1	
R6011		ERDS2TJ221	CARBON 1/4W 220	1	
R6016		ERDS2TJ223	CARBON 1/4W 22K	1	
R6017		ERDS2TJ223	CARBON 1/4W 22K	1	
R6018		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R6019		ERDS2TJ153	CARBON 1/4W 15K	1	
R6020		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R6022		ERDS2TJ223	CARBON 1/4W 22K	1	
R6023		ERDS2TJ683	CARBON 1/4W 68K	1	
R6024		ERDS2TJ223	CARBON 1/4W 22K	1	
R6025		ERDS2TJ824	CARBON 1/4W 820K	1	
R6026		ERDS2TJ105	CARBON 1/4W 1000K	1	
R6027		ERDS2TJ223	CARBON 1/4W 22K	1	
R6028		ERDS2TJ184	CARBON 1/4W 180K	1	
R6029		ERDS2TJ561	CARBON 1/4W 560	1	
R6030		ERDS2TJ153	CARBON 1/4W 15K	1	
R6031		ERDS2TJ153	CARBON 1/4W 15K	1	
R6032		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R6033		ERDS2TJ333	CARBON 1/4W 33K	1	
R6034		ERDS2TJ333	CARBON 1/4W 33K	1	
R6035		ERDS2TJ101	CARBON 1/4W 100	1	
R6036		ERDS2TJ101	CARBON 1/4W 100	1	
R6037		ERDS2TJ101	CARBON 1/4W 100	1	
R6038		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R6041		ERDS2TJ391	CARBON 1/4W 390	1	
R6042		ERDS2TJ332	CARBON 1/4W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6045		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R6046		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R6047		ERDS2TJ681	CARBON 1/4W 680	1	
R6050		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R6051		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R6067		ERDS2TJ101	CARBON 1/4W 100	1	
R6068		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R6069		ERDS2TJ103	CARBON 1/4W 10K	1	
R6070		ERDS2TJ471	CARBON 1/4W 470	1	
R6071		ERDS2TJ152	CARBON 1/4W 1.5K	1	
R6072		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R6073		ERDS2TJ391	CARBON 1/4W 390	1	
R6074		ERDS2TJ561	CARBON 1/4W 560	1	
R6075		ERG2SJ180P	METAL OXIDE 2W 18	1	
R6076		ERDS2TJ181	CARBON 1/4W 180	1	
R6079		ERDS2TJ103	CARBON 1/4W 10K	1	
R6080		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R6081		ERDS2TJ103	CARBON 1/4W 10K	1	
R6083		ERDS2TJ104	CARBON 1/4W 100K	1	
R6084		ERDS2TJ561	CARBON 1/4W 560	1	
R6085		ERDS2TJ561	CARBON 1/4W 560	1	
R6086		ERDS2TJ103	CARBON 1/4W 10K	1	
R7551		ERDS2TJ104	CARBON 1/4W 100K	1	
R7554		ERDS2TJ102	CARBON 1/4W 1K	1	
R7555		ERDS2TJ102	CARBON 1/4W 1K	1	
R7556		ERDS2TJ473	CARBON 1/4W 47K	1	
R7557		ERDS2TJ124	CARBON 1/4W 120K	1	
R7558		ERDS2TJ104	CARBON 1/4W 100K	1	
R7559		ERDS2TJ473	CARBON 1/4W 47K	1	
R7560		ERDS2TJ473	CARBON 1/4W 47K	1	
R7561		ERDS2TJ223	CARBON 1/4W 22K	1	
R7562		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7565		ERDS2TJ102	CARBON 1/4W 1K	1	
R7566		ERDS2TJ334	CARBON 1/4W 330K	1	
R7567		ERDS2TJ104	CARBON 1/4W 100K	1	
R7568		ERDS2TJ103	CARBON 1/4W 10K	1	
R7572		ERDS2TJ473	CARBON 1/4W 47K	1	
R7573		ERDS2TJ820	CARBON 1/4W 82	1	
R7574		ERDS2TJ333	CARBON 1/4W 33K	1	
R7575		ERDS2TJ273	CARBON 1/4W 27K	1	
R7576		ERDS2TJ390	CARBON 1/4W 39	1	
R7580		ERDS2TJ103	CARBON 1/4W 10K	1	
R7580		ERDS2TJ123	CARBON 1/4W 120K	1	
R7581		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R7582		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R7583		ERDS2TJ473	CARBON 1/4W 47K	1	
R7584		ERDS2TJ393	CARBON 1/4W 39K	1	
R7584		ERDS2TJ333	CARBON 1/4W 330K	1	
R7585		ERDS2TJ473	CARBON 1/4W 47K	1	
R7586		ERDS2TJ563	CARBON 1/4W 56K	1	
R7589		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7590		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7591		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7592		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7595		ERDS2TJ181	CARBON 1/4W 180	1	
			SWITCHES		
S3901		VSS0162	SWITCH	1	
			TRANSFORMER		
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF001B	IF TRANSFORMER	1	
			VARIABLE RESISTORS		
VR301		EVND3AA00B22	VARIABLE 200	1	
VR801		EVND1AA00B52	VARIABLE 500	1	
VR2001		EVND3AA00B54	VARIABLE 50K	1	
VR2002		EVND3AA00B15	VARIABLE 100K	1	
VR2010		EVL51MA00B25	VARIABLE 200K	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2011		EVND3AA00B15	VARIABLE 100K	1	
VR3012		EVND3AA00B22	VARIABLE 200	1	
VR4001		EVND3AA00B14	VARIABLE 10K	1	
VR4002		EVND3AA00B25	VARIABLE 200K	1	
VR4004		EVND3AA00B53	VARIABLE 5K	1	
VR4005		EVND3AA00B53	VARIABLE 5K	1	
VR4510		EVN38CA00B15	VARIABLE 100K	1	
VR7502		EVN32CA00B14	VARIABLE 10K	1	
			CRYSTAL OSCILLATORS		
X801		VSX0129A	CRYSTAL OSCILLATOR	1	
X3901		VSX0099	CRYSTAL OSCILLATOR	1	
X6001		EFOFC3584A5	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VWJ0264	FLAT CABLE (13P)	1	P7502-P6201
		VWJ14CN120BC	FLAT CABLE (14P)	1	J1101-P1001
		VWJ15CN070BC	FLAT CABLE	1	
		VWJ0265	FLAT CABLE (5P)	1	P6002-P1503
		VWJ28AW150MM	FLAT CABLE (28P)	1	P4501-P4003
		VMC0075	HEAT SINK FIX SPRING	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC1446	HEAT SINK	1	
		VJF0236	INPUT SELECT PACK C.B	1	
			SUPPORTER		
		VMX0985	C.B SPACER	1	
		VEJ0571	INPUT/OUTPUT JACK	1	
		VGU2707	COLOUR/TEST/AUTO SELECTOR	1	
		VKH0105	HOOK	1	
		VMZ0960	HEAT SINK BARRIER	1	
	▮	VEP05097C	HEAD AMP PACK C.B.A.		
			CAPACITORS		
C501		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C502		ECUX1H560JCN	CHIP 50V 56P	1	
C503		ECUX1H331KBN	CHIP 50V 330P	1	
C504		ECUX1H560JCN	CHIP 50V 56P	1	
C505		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C506		ECUM1E473FN	CHIP 25V 0.047U	1	
C507		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C508		ECUX1H151JCN	CHIP 50V 150P	1	
C509		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C510		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C511		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C512		ECUX1H390JCN	CHIP 50V 39P	1	
C513		ECEA0JK220	ELECTROLYTIC 6.3V 22U	1	
C514		VCYD1C104MR1	SEMICONDUCTOR 16V 0.1U	1	
C515		ECUX1H102KBN	CHIP 50V 1000P	1	
C516		ECUX1H560JCN	CHIP 50V 56P	1	
C517		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C518		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C519		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C520		ECUX1H220JCN	CHIP 50V 22P	1	
C521		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C522		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C523		ECUX1H220JCN	CHIP 50V 22P	1	
C524		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C525		ECUX1H102KBN	CHIP 50V 1000P	1	
C526		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C527		ECUX1H102KBN	CHIP 50V 1000P	1	
C528		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C529		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C530		ECUX1E473ZFN	CHIP 25V 0.047U	1	
C531		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C533		ECUX1H470JCN	CHIP 50V 47P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C534		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C551		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C552		ECEA1CK100	ELECTROLYTIC 16V 100U	1	
C553		ECUX1E473ZFN	CHIP 25V 0.047U	1	
C554		ECUX1H391KBN	CHIP 50V 390P	1	
C555		ECEA1HKR22	ELECTROLYTIC 50V 0.22U	1	
C556		ECUX1H151JCN	CHIP 50V 150P	1	
C557		ECUX1H151JCN	CHIP 50V 150P	1	
C558		ECEA1HKR22	ELECTROLYTIC 50V 0.22U	1	
C559		ECUM1H122ZFN	CHIP 50V 1200P	1	
C560		ECUM1H122ZFN	CHIP 50V 1200P	1	
C561		ECEA0JK330	ELECTROLYTIC 6.3V 33U	1	
C562		ECUX1E104ZFN	CHIP 25V 0.1U	1	
C563		ECUX1H103ZFN	CHIP 50V 0.01U	1	
			INTEGRATED CIRCUITS		
IC501		AN3224K	IC	1	
IC502		AN3311S	IC	1	
IC551		UPC1531HA	IC	1	
			COILS		
L501		VLQEL05F101K	COIL 100UH	1	
L502		VLQEL05F121K	COIL 120UH	1	
L503		VLQEL05F181K	COIL 180UH	1	
L504		VLQEL05F100J	COIL 10UH	1	
L505		VLQEL05F101K	COIL 100UH	1	
L506		VLQEL05F330J	COIL 33UH	1	
L507		VLQEL05F470J	COIL 47UH	1	
L551		VLQEL05F101K	COIL 100UH	1	
L552		VLQEL05F101K	COIL 100UH	1	
L580		VLQ0211K2R2		1	
L581		VLQ0211K2R2		1	
			CONNECTORS		
P002		VJS1927		1	
P501		VJP1248T	CONNECTOR(MALE) 8P	1	
P502		VJP1233T	CONNECTOR(MALE) 6P	1	
			TRANSISTORS		
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q551		2SB643	TRANSISTOR	1	
Q552		2SD1306	TRANSISTOR	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR551		2SD1777	TRANSISTOR - RESISTORS	1	
QR552		2SD1777	TRANSISTOR - RESISTORS	1	
			RESISTORS		
R501		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R502		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R503		ERJ6GMYJ222	CHIP 1/16W 2.2K	1	
R504		ERJ6GMYJ181	CHIP 1/16W 180	1	
R505		ERJ6GMYJ331	CHIP 1/16W 330	1	
R506		ERJ6GMYJ471	CHIP 1/16W 470	1	
R507		ERJ6GMYJ221	CHIP 1/16W 220	1	
R508		ERJ6GMYJ100	CHIP 1/16W 10	1	
R509		ERJ6GMYJ100	CHIP 1/16W 10	1	
R510		ERJ6GMYJ821	CHIP 1/16W 820	1	
R511		ERJ6GMYJ821	CHIP 1/16W 820	1	
R512		ERJ6GMYJ821	CHIP 1/16W 820	1	
R513		ERJ6GMYJ471	CHIP 1/16W 470	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R514		ERJ6GMYJ122	CHIP 1/16W 1.2K	1	
R515		ERJ6GMYJ102	CHIP 1/16W 1K	1	
R516		ERJ6GMYJ152	CHIP 1/16W 1.5K	1	
R517		ERJ6GMYJ681	CHIP 1/16W 680	1	
R523		ERJ6GMYJ223	CHIP 1/16W 22K	1	
R551		ERJ6GMYJ101	CHIP 1/16W 100	1	
R552		ERJ6GMYJ101	CHIP 1/16W 100	1	
R553		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R554		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R555		ERJ6GMYJ393	CHIP 1/16W 39K	1	
R556		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R557		ERJ6GMYJ332	CHIP 1/16W 3.3K	1	
R558		ERJ6GMYJ181	CHIP 1/16W 180	1	
R559		ERJ6GMYJ181	CHIP 1/16W 180	1	
R560		ERJ6GMYJ220	CHIP 1/16W 22	1	
R561		ERJ6GMYJ271	CHIP 1/16W 270	1	
R562		ERJ6GMYJ100	CHIP 1/16W 10	1	
R563		ERJ6GMYJ100	CHIP 1/16W 10	1	
R564		ERJ6GMYJ153	CHIP 1/16W 15K	1	
R565		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R566		ERJ6GMYJ103	CHIP 1/16W 10K	1	
R580		ERJ6GMYJ471	CHIP 1/16W 470	1	
R581		ERJ6GMYJ471	CHIP 1/16W 470	1	
			VARIABLE RESISTORS		
VR501		EVND1AA00B23	VARIABLE 2K	1	
VR502		EVND1AA00B53	VARIABLE 5K	1	
			MISCELLANEOUS		
		VSC1832	SHIELD CASE (TOP)	1	
		VSC1833	SHIELD CASE (MAIN)	1	
		VSC1834	SHIELD CASE (BOTTOM)	1	
	■	VEP04179A	FM AUDIO C.B.A.		INCLUDING SUB
					FM AUDIO C.B.A.
					(VEP00H59B)
			CAPACITORS		
C4501		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C4502		ECQB1H821JH	MYLAR 50V 820P	1	
C4505		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4506		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C4507		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4508		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4509		ECEA0JK101	ELECTROLYTIC 6.3V 100U	1	
C4510		ECQB1H272JH	MYLAR 50V 2700P	1	
C4511		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4512		ECQB1H103JH	MYLAR 50V 0.01U	1	
C4513		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4514		ECEA25Z4R7	ELECTROLYTIC 25V 4.7U	1	
C4515		ECQB1H223JH	MYLAR 50V 0.022U	1	
C4516		ECEA16Z10	ELECTROLYTIC 16V 10U	1	
C4517		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C4518		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C4519		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4520		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4521		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4522		ECEA0JK101	ELECTROLYTIC 6.3V 100U	1	
C4523		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4524		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C4525		ECQB1H272JH	MYLAR 50V 2700P	1	
C4526		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4527		ECQB1H821JH	MYLAR 50V 820P	1	
C4530		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4531		ECQB1H103JH	MYLAR 50V 0.01U	1	
C4532		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4533		ECEA25Z4R7	ELECTROLYTIC 25V 4.7U	1	
C4534		ECQB1H223JH	MYLAR 50V 0.022U	1	
C4535		ECCF1H100DC	CERAMIC 50V 10P	1	
C4536		ECEA16Z10	ELECTROLYTIC 16V 10U	1	
C4537		ECQV1H473JZ	MYLAR 50V 0.047U	1	
C4538		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C4539		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4540		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4541		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4542		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4543		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4544		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4545		ECKF1H331KB	CERAMIC 50V 330P	1	
C4546		ECQB1H102KH	MYLAR 50V 1000P	1	
C4547		ECEA1EKN3R3	ELECTROLYTIC 25V 3.3U	1	
C4548		ECCF1H330JC	CERAMIC 50V 33P	1	
C4549		ECCF1H101JC	CERAMIC 50V 100P	1	
C4550		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4551		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4552		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4553		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4554		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4555		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4556		ECQB1H102KH	MYLAR 50V 1000P	1	
C4557		ECEA1EKN3R3	ELECTROLYTIC 25V 3.3U	1	
C4558		ECKF1H331KB	CERAMIC 50V 330P	1	
C4559		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4560		ECCF1H330KC	CERAMIC 50V 33P	1	
C4561		ECCF1H101JC	CERAMIC 50V 100P	1	
C4562		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4563		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4564		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4565		ECCF1H100DC	CERAMIC 50V 10P	1	
C4566		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4567		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4572		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4573		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4574		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4575		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4576		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4577		ECQV1H154JZ	MYLAR 50V 0.15U	1	
C4578		ECCF1H221JC	CERAMIC 50V 220P	1	
C4579		ECKF1H471KB	CERAMIC 50V 470P	1	
C4580		ECQB1H102KH	MYLAR 50V 1000P	1	
C4581		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4582		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4583		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4584		ECEA1HK0R1	ELECTROLYTIC 50V 0.1U	1	
C4585		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4586		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C4587		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4589		ECQV1H104JZ	MYLAR 50V 0.1U	1	
C4590		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4591		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4592		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4593		ECEA1EK4R7	ELECTROLYTIC 25V 4.7U	1	
C4594		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4595		ECEA1CK330	ELECTROLYTIC 16V 33U	1	
C4596		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C4597		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C4598		ECEA1EK3R3	ELECTROLYTIC 25V 3.3U	1	
C4599		ECEA1CK100Z	ELECTROLYTIC 16V 10U	1	
C4600		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C4601		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4602		ECEA1AK101	ELECTROLYTIC 10V 100U	1	
C4603		ECEA1AK101	ELECTROLYTIC 10V 100U	1	
C4604		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4605		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4606		ECEA1AK330	ELECTROLYTIC 10V 33U	1	
C4607		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C4608		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C4651		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4652		VCYD1C473MR1	SEMICONDUCTOR 16V 0.047U	1	
C4653		VCYD1C473MR1	SEMICONDUCTOR 16V 0.047U	1	
C4654		ECKF1H103ZF	CERAMIC 50V 0.01U	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4655		ECEA16Z10	ELECTROLYTIC 16V 10U	1	
C4656		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4657		VCYD1C473MR1	SEMICONDUCTOR 16V 0.047U	1	
C4658		VCYD1C473MR1	SEMICONDUCTOR 16V 0.047U	1	
C4659		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C4660		ECKF1H391KB	CERAMIC 50V 390P	1	
C4661		ECKF1H391KB	CERAMIC 50V 390P	1	
C4662		ECEA16Z33	ELECTROLYTIC 33U	1	
C4663		ECEA1EKN4R7	ELECTROLYTIC 25V 4.7U	1	
C4701		ECEA1HKR33	ELECTROLYTIC 50V 0.33U	1	
C4702		ECQB1H273JH	MYLAR 50V 0.027U	1	
C4703		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4704		ECEA1HKR33	ELECTROLYTIC 50V 0.33U	1	
C4705		ECQB1H273JH	MYLAR 50V 0.027U	1	
C4706		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C4707		ECQB1H333JH	MYLAR 50V 0.033U	1	
			DIODES		
D4501		MA165	DIODE	1	
D4502		MA154WK	DIODE	1	
D4503		MA165	DIODE	1	
D4504		MA154WA	DIODE	1	
D4505		MA154WA	DIODE	1	
D4506		MA165	DIODE	1	
D4508		MA165	DIODE	1	
D4511		MA156	DIODE	1	
D4651		MA165	DIODE	1	
			FILTERS		
FL4501		VLF0520	FILTER	1	
FL4503		VLF0520	FILTER	1	
FL4506		VLF0442	FILTER	1	
FL4651		VLF0443	FILTER	1	
FL4652		VLF0445	FILTER	1	
FL4653		VLF0441	FILTER	1	
			INTEGRATED CIRCUITS		
IC4501		BA7721S	IC	1	
IC4502		BA7711S	IC	1	
IC4503		AN3920K	IC	1	
IC4504		BA7056LS	IC	1	
IC4651		TA7302P	IC	1	
IC4652		TA7302P	IC	1	
			COILS		
L4501		VLQEL05F101K	COIL 100UH	1	
L4504		VLQEL05F221K	COIL 220UH	1	
L4505		VLQEL05F101K	COIL 100UH	1	
L4506		VLQEL05F101K	COIL 100UH	1	
L4651		VLQEL05F101K	COIL 100UH	1	
			CONNECTORS		
P4501		VJS1446	CONNECTOR(FEMALE)	1	
P4502		VJP1231T	CONNECTOR(MALE) 4P	1	
P4503		VJP1231T	CONNECTOR(MALE) 4P	1	
P4504		VJP1141	CONNECTOR(MALE) 2P	1	
			TRANSISTORS		
Q4501		2SD638	TRANSISTOR	1	(Q,R,S)
Q4502		2SB641	TRANSISTOR	1	(Q,R,S)
Q4503		2SD636	TRANSISTOR	1	(Q,R,S)
Q4504		2SD1330	TRANSISTOR	1	(S,T)
Q4505		2SD1330	TRANSISTOR	1	(S,T)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q4651		2SD636	TRANSISTOR	1	(Q,R,S)
Q4652		2SD636	TRANSISTOR	1	(Q,R,S)
Q4701		2SD636	TRANSISTOR	1	
Q4702		2SD636	TRANSISTOR	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR4501		UN1213	TRANSISTOR-RESISTOR	1	
QR4503		UN1213	TRANSISTOR-RESISTOR	1	
QR4507		UN1212	TRANSISTOR-RESISTOR	1	
QR4508		UN1211	TRANSISTOR-RESISTOR	1	
QR4509		UN1213	TRANSISTOR-RESISTOR	1	
QR4510		UN1112	TRANSISTOR-RESISTOR	1	
QR4511		UN1212	TRANSISTOR-RESISTOR	1	
QR4651		UN1112	TRANSISTOR-RESISTOR	1	
QR4652		UN1212	TRANSISTOR-RESISTOR	1	
			RESISTORS -		
R4501		EROS2CKG1801	METAL OXIDE 1/4W 1.8K	1	
R4502		EROS2CKG1801	METAL OXIDE 1/4W 1.8K	1	
R4503		ERDS2TJ103	CARBON 1/4W 10K	1	
R4504		EROS2CKG2201	METAL OXIDE 1/4W 2.2K	1	
R4505		ERDS2TJ225	CARBON 1/4W 2.2M	1	
R4506		ERDS2TJ333	CARBON 1/4W 33K	1	
R4507		EROS2CKG2001	METAL OXIDE 1/16W 680K	1	
R4508		EROS2CKG3601	METAL OXIDE 1/4W 3.6K	1	
R4509		EROS2CKG1002	METAL OXIDE 1/4W 10K	1	
R4510		EROS2CKG1101	METAL OXIDE 1/4W 1.1K	1	
R4511		ERDS2TJ822	CARBON 1/4W 8.2K	1	
R4512		EROS2CKG3901	METAL OXIDE 1/4W 3.9K	1	
R4513		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4514		EROS2CKG1201	METAL OXIDE 1/4W 1.2K	1	
R4515		ERDS2TJ103	CARBON 1/4W 10K	1	
R4516		EROS2CKG3302	METAL OXIDE 1/4W 33K	1	
R4517		ERDS2TJ223	CARBON 1/4W 22K	1	
R4518		ERDS2TJ101	CARBON 1/4W 100	1	
R4519		EROS2CKG2201	METAL OXIDE 1/4W 2.2K	1	
R4520		ERDS2TJ333	CARBON 1/4W 33K	1	
R4521		ERDS2TJ225	CARBON 1/4W 2.2M	1	
R4522		EROS2CKG1801	METAL OXIDE 1/4W 1.8K	1	
R4523		EROS2CKG1801	METAL OXIDE 1/4W 1.8K	1	
R4524		EROS2CKG2001	METAL OXIDE 1/16W 680K	1	
R4525		EROS2CKG3601	METAL OXIDE 1/4W 3.6K	1	
R4526		EROS2CKG1002	METAL OXIDE 1/4W 10K	1	
R4527		EROS2CKG1101	METAL OXIDE 1/4W 1.1K	1	
R4528		ERDS2TJ822	CARBON 1/4W 8.2K	1	
R4529		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4530		EROS2CKG3901	METAL OXIDE 1/4W 3.9K	1	
R4531		ERDS2TJ103	CARBON 1/4W 10K	1	
R4532		EROS2CKG1201	METAL OXIDE 1/4W 1.2K	1	
R4533		EROS2CKG3302	METAL OXIDE 1/4W 33K	1	
R4534		ERDS2TJ104	CARBON 1/4W 100K	1	
R4535		ERDS2TJ103	CARBON 1/4W 10K	1	
R4536		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4537		EROS2CKG2402	METAL OXIDE 1/4W 24K	1	
R4538		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R4539		EROS2CKG5601	METAL OXIDE 1/4W 5.6K	1	
R4540		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4541		EROS2CKG2402	METAL OXIDE 1/4W 24K	1	
R4542		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R4543		EROS2CKG7501	METAL OXIDE 1/4W 7.5K	1	
R4544		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R4545		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4555		ERDS2TJ103	CARBON 1/4W 10K	1	
R4556		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4557		ERDS2TJ471	CARBON 1/4W 470	1	
R4558		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4559		ERDS2TJ102	CARBON 1/4W 1K	1	
R4561		ERDS2TJ391	CARBON 1/4W 390	1	
R4562		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R4563		ERDS2TJ273	CARBON 1/4W 27K	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4564		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4565		ERDS2TJ473	CARBON 1/4W 47K	1	
R4566		ERDS2TJ102	CARBON 1/4W 1K	1	
R4569		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4570		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4572		ERDS2TJ124	CARBON 1/4W 120K	1	
R4573		ERDS2TJ101	CARBON 1/4W 100	1	
R4574		ERDS2TJ124	CARBON 1/4W 120K	1	
R4575		ERDS2TJ101	CARBON 1/4W 100	1	
R4576		ERDS2TJ680	CARBON 1/4W 68	1	
R4577		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R4578		ERDS2TJ103	CARBON 1/4W 10K	1	
R4579		ERDS2TJ272	CARBON 1/4W 2.7K	1	
R4580		ERDS2TJ103	CARBON 1/4W 10K	1	
R4581		ERDS2TJ680	CARBON 1/4W 68	1	
R4582		ERDS2TJ680	CARBON 1/4W 68	1	
R4583		ERDS2TJ103	CARBON 1/4W 10K	1	
R4584		ERDS2TJ823	CARBON 1/4W 82K	1	
R4585		ERDS2TJ102	CARBON 1/4W 1K	1	
R4586		ERDS2TJ473	CARBON 1/4W 47K	1	
R4587		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4588		ERDS2TJ273	CARBON 1/4W 27K	1	
R4589		EROS2CKG4701	METAL OXIDE 1/4W 4.7K	1	
R4590		EROS2CKG4701	METAL OXIDE 1/4W 4.7K	1	
R4591		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4592		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R4593		ERDS2TJ472	CARBON 1/4W 4.7K	1	
R4594		EROS2CKG3900	METAL OXIDE 1/4W 390	1	
R4595		EROS2CKG3900	METAL OXIDE 1/4W 390	1	
R4596		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R4597		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R4598		ERDS2TJ473	CARBON 1/4W 47K	1	
R4599		ERDS2TJ103	CARBON 1/4W 10K	1	
R4600		ERDS2TJ102	CARBON 1/4W 1K	1	
R4651		ERDS2TJ102	CARBON 1/4W 1K	1	
R4652		ERDS2TJ102	CARBON 1/4W 1K	1	
R4653		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4654		ERDS2TJ101	CARBON 1/4W 100	1	
R4655		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4656		ERDS2TJ391	CARBON 1/4W 390	1	
R4657		ERDS2TJ105	CARBON 1/4W 1000K	1	
R4658		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4659		ERDS2TJ105	CARBON 1/4W 1000K	1	
R4660		ERDS2TJ222	CARBON 1/4W 2.2K	1	
R4663		ERDS2TJ562	CARBON 1/4W 5.6K	1	
R4664		ERDS2TJ123	CARBON 1/4W 12K	1	
R4665		ERDS2TJ124	CARBON 1/4W 120K	1	
R4667		ERDS2TJ123	CARBON 1/4W 12K	1	
R4668		ERDS2TJ124	CARBON 1/4W 120K	1	
R4669		ERDS2TJ822	CARBON 1/4W 8.2K	1	
R4670		ERSB20J102	CARBON 1/4W 1K	1	
R4671		ERSB20J102	CARBON 1/4W 1K	1	
R4701		ERDS2TJ184	CARBON 1/4W 180K	1	
R4702		ERDS2TJ104	CARBON 1/4W 100K	1	
R4703		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4704		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4705		ERDS2TJ271	CARBON 1/4W 270	1	
R4706		ERDS2TJ184	CARBON 1/4W 180K	1	
R4707		ERDS2TJ104	CARBON 1/4W 100K	1	
R4708		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4709		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R4710		ERDS2TJ271	CARBON 1/4W 270	1	
R4711		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4712		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R4713		ERDS2TJ333	CARBON 1/4W 33K	1	
R4714		ERDS2TJ221	CARBON 1/4W 220	1	
			VARIABLE RESISTORS		
VR4501		EVN38CA00B23	VARIABLE 2K	1	
VR4502		EVND3AA00B14	VARIABLE 10K	1	
VR4503		VRV0020	VARIABLE RESISTOR	1	
VR4504		EVND3AA00B14	VARIABLE 10K	1	
VR4505		VRV0024	VARIABLE RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR4507		EVND3AA00B14	VARIABLE 10K	1	
VR4508		EVND3AA00B14	VARIABLE 10K	1	
VR4509		EVN38CA00B23	VARIABLE 2K	1	
	■	VEP06382D	OPERATION C.B.A.		
			DIODES		
D6501		LN81RCPHL	LED	1	
D6502		LN38GCPP	LED	1	
D6503		MA165	DIODE	1	
D6504		MA165	DIODE	1	
D6505		MA165	DIODE	1	
D6506		MA165	DIODE	1	
			CONNECTORS		
P6501		VJP1250T	CONNECTOR(MALE) 10P	1	
P6502		VJP1394T	CONNECTOR(MALE)	1	
P6503		VJP1244T	CONNECTOR(MALE) 4P	1	
P6505		VJP1231T	CONNECTOR(MALE) 4P	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR6501		UN1213	TRANSISTOR-RESISTOR	1	
QR6502		UN1113	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6501		ERDS2TJ331	CARBON 1/4W 330	1	
R6502		ERDS2TJ682	CARBON 1/4W 6.8K	1	
R6503		ERDS2TJ392	CARBON 1/4W 3.9K	1	
R6504		ERDS2TJ102	CARBON 1/4W 1K	1	
			SWITCHES		
SW6501		EVQQS307K	SWITCH	1	
SW6502		EVQQS307K	SWITCH	1	
SW6503		EVQQS307K	SWITCH	1	
SW6504		ESD14314	SWITCH	1	
SW6506		ESD14314	SWITCH	1	
SW6507		VSS0187	SWITCH	1	
SW6508		ESD14314	SWITCH	1	
SW6510		VSS0187	SWITCH	1	
			VARIABLE RESISTORS		
VR6501		EVUFSAEC4B15	VARIABLE 100K	1	
VR6502		EVUFSAEC4B15	VARIABLE 100K	1	
VR6503		EVUJ16EC4B24	VARIABLE 20K	1	
VR6504		EVJVJAF13C23	VARIABLE 2K	1	
			MISCELLANEOUS		
		KL04	LED SPACER	1	
		VMD0504	LED HOLDER	1	
		VGU3364	SLIDE KNOB	1	
		VGU3428	SLIDE KNOB	1	
		VGU3435	SLIDE KNOB	1	

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP07378C	TIMER C.B.A.		INCLUDING THE
					IR RECEIVER C.B.A
					(VEP06380B)
			CAPACITORS		
C6701		ECEA0JK470	ELECTROLYTIC 6.3V 47U	1	
C6702		ECKF1H102KB	CERAMIC 50V 1000P	1	
C6703		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C6704		ECEA1HK3R3	ELECTROLYTIC 50V 3.3U	1	
C7501		ECCF1H080DC	CERAMIC 50V 8P	1	
C7502		ECRHA030E41		1	
C7503		ECEA1HKR22	ELECTROLYTIC 50V 0.22U	1	
C7504		ECCF1H220JC	CERAMIC 50V 22P	1	
C7505		ECCF1H330JC	CERAMIC 50V 33P	1	
C7510		ECEA1HK100	ELECTROLYTIC 50V 10U	1	
C7511		ECEA0JK221	ELECTROLYTIC 6.3V 220U	1	
C7512		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7514		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7515		ECEA1AK470	ELECTROLYTIC 10V 47U	1	
C7586		ECKF1H102ZF	CERAMIC 50V 1000P	1	
C7588		ECKF1H331KB	CERAMIC 50V 330P	1	
			DIODES		
D6701		PN323B	DIODE	1	
D7501		ERA15-01	DIODE	1	
D7502		MA4075	DIODE	1	
D7503		MA165	DIODE	1	
D7520		MA165	DIODE	1	
D7525		MA165	DIODE	1	
D7529		MA165	DIODE	1	
D7532		MA165	DIODE	1	
D7534		MA165	DIODE	1	
D7535		MA165	DIODE	1	
D7536		MA165	DIODE	1	
D7537		MA165	DIODE	1	
D7538		MA165	DIODE	1	
D7539		MA165	DIODE	1	
D7540		MA165	DIODE	1	
D7541		MA165	DIODE	1	
D7542		MA165	DIODE	1	
DP7501		VSL0101A	DISPLAY TUBE	1	
			INTEGRATED CIRCUITS		
IC6701		UPC1490HA	IC	1	
IC7501		MN15283VEU	IC	1	
IC7502		MN1220	IC	1	
IC7504		MN1280P	DIODE	1	
			COILS		
L7501		VLQEL05F221K	COIL 220UH	1	
			CONNECTORS		
P7501		VJP1250T	CONNECTOR(MALE) 10P	1	
P7502		VJS1937		1	
P7503		VJP1239T	CONNECTOR(MALE) 12P	1	
P7504		VJP1247R	CONNECTOR(MALE) 7P	1	
P7505		VJP1247T	CONNECTOR(MALE) 7P	1	
P7506		VJS1491	CONNECTOR(FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7507		VJP1244T	CONNECTOR(MALE) 4P	1	
			TRANSISTORS		
Q7501		2SD637	TRANSISTOR	1	(Q,R,S)
Q7502		2SD636	TRANSISTOR	1	(Q,R,S)
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR7502		UN1213	TRANSISTOR-RESISTOR	1	
QR7503		UN1112	TRANSISTOR-RESISTOR	1	
QR7505		UN1113	TRANSISTOR-RESISTOR	1	
QR7506		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	CARBON 1/4W 150K	1	
R6702		ERDS2TJ100	CARBON 1/4W 10	1	
R7501		ERDS2TJ122	CARBON 1/4W 1.2K	1	
R7503		ERDS2TJ224	CARBON 1/4W 220K	1	
R7507		ERDS2TJ104	CARBON 1/4W 100K	1	
R7508		ERDS2TJ470	CARBON 1/4W 47	1	
R7509		ERDS2TJ102	CARBON 1/4W 1K	1	
R7510		ERDS2TJ223	CARBON 1/4W 22K	1	
R7511		ERDS2TJ473	CARBON 1/4W 47K	1	
R7512		ERDS2TJ473	CARBON 1/4W 47K	1	
R7515		ERDS2TJ332	CARBON 1/4W 3.3K	1	
R7527		ERDS2TJ103	CARBON 1/4W 10K	1	
R7528		ERDS2TJ103	CARBON 1/4W 10K	1	
R7529		ERDS2TJ103	CARBON 1/4W 10K	1	
R7530		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R7531		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R7532		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R7533		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R7534		ERDS2TJ182	CARBON 1/4W 1.8K	1	
R7535		ERDS2TJ102	CARBON 1/4W 1K	1	
R7536		ERDS2TJ103	CARBON 1/4W 10K	1	
R7537		ERDS2TJ473	CARBON 1/4W 47K	1	
R7542		ERDS2TJ473	CARBON 1/4W 47K	1	
R7543		ERDS2TJ331	CARBON 1/4W 330	1	
R7544		ERDS2TJ561	CARBON 1/4W 560	1	
			VARIABLE RESISTORS		
VR6701		EVMLGGA00B15	VARIABLE 100K	1	
			CRYSTAL OSCILLATORS		
X7501		VSX0140A	CRYSTAL OSCILLATOR	1	
X7502		VSX0094A	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VEK3183	LEVEL METER ARAY	1	
		VJF0398	FIP HOLDER	1	
		VJF0412	LEVEL METER HOLDER	1	
		VSC1844	SHIELD CASE (TOP)	1	FOR IR RECIEVER C.B.A
		VSC1928	SHIELD CASE (BOTTOM)	1	FOR IR RECIEVER C.B.A
		VSC1929	SHIELD PLATE	1	FOR IR RECIEVER C.B.A
	■	VEP00H51N	INTER FACE(DEMODU UNIT)		
			C.B.A		
			CAPACITOR		

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C704		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
			CONNECTORS		
P701		VJP1231T	CONNECTOR(MALE)	1	
P702		VJP1961	CONNECTOR(MALE)	1	
P703		VJP1239T	CONNECTOR(MALE)	1	
	■	VEP07445A	DEMODULATOR PACK C.B.A.		
			CAPACITORS		
C715		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C716		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C717		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C718		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C720		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C721		ECEA1HKR27	ELECTROLYTIC 50V 0.27U	1	
C722		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C723		ECUX1H150JCN	CHIP 50V 15P	1	
C731		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C733		ECUX1H680JCN	CHIP 50V 68P	1	
C734		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C739		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C740		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C741		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C742		ECUX1H030CCN	CHIP 50V 3P	1	
C743		ECUX1H270JSN	CHIP 50V 27P	1	
C744		ECEA1HKR47	ELECTROLYTIC 50V 0.47U	1	
C745		ECUX1H680JPN	CHIP 50V 68P	1	
C746		ECUX1H120JCN	CHIP 50V 12P	1	
C747		ECUX1H103ZFN	CHIP 50V 0.01U	1	
C752		ECUX1H102KBN	CHIP 50V 1000P	1	
C767		ECUM1H102KBN	CHIP 50V 1000P	1	
			INTEGRATED CIRCUITS		
IC701		M51366SP	IC	1	
			COILS		
L712		ELQT1R0KB	COIL	1	
L713		ELQTR82XB	COIL	1	
L714		ELQT1R2KB	COIL	1	
L715		VLQEL05F680K	COIL 68UH	1	
L715		VLQ0213K680T	COIL 68UH	1	
L717		VLQEL05F680K	COIL 68UH	1	
L718		VLQEL05F680K	COIL 68UH	1	
L719		VLQEL05F5R6K	COIL 5.6UH	1	
			TRANSISTORS		
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q711		2SC2404	TRANSISTOR CHIP	1	(C,D)
Q771		2SD601	TRANSISTOR CHIP	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR702		UN2213	TRANSISTOR-RESISTOR	1	
QR713		UN2211	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R710		ERJ6GEYJ220	CHIP 1/16W 22	1	
R712		ERJ6GEYJ682	CHIP 1/16W 6.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R714		ERD2FCG330P	CARBON 2W 33	1	<!>
R715		ERJ6GEYJ181	CHIP 1/16W 180	1	
R716		ERJ6GEYJ152	CHIP 1/16W 1.5K	1	
R717		ERJ6GEYJ332	CHIP 1/16W 3.3K	1	
R718		ERJ6GEYJ754	CHIP 1/16W 750K	1	
R719		ERJ6GEYJ682	CHIP 1/16W 6.8K	1	
R720		ERJ6GEYJ822	CHIP 1/16W 8.2K	1	
R724		ERJ6GEYJ101	CHIP 1/16W 100	1	
R725		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R726		ERJ6GEYJ472	CHIP 1/16W 4.7K	1	
R729		ERJ6GEYJ471	CHIP 1/16W 470	1	
R731		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R732		ERJ6GEYJ330	CHIP 1/16W 33	1	
R733		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R734		ERJ6GEYJ102	CHIP 1/16W 1K	1	
R736		ERJ6GEYJ471	CHIP 1/16W 470	1	
R737		ERJ6GEYJ474	CHIP 1/16W 470K	1	
R738		ERJ6GEYJ224	CHIP 1/16W 220K	1	
R739		ERJ6GEYJ471	CHIP 1/16W 470	1	
R740		ERJ6GEYJ473	CHIP 1/16W 47K	1	
R741		ERJ6GEYJ272	CHIP 1/16W 2.7K	1	
R742		ERJ6GEYJ272	CHIP 1/16W 2.7K	1	
R743		ERJ6GEYJ470	CHIP 1/16W 47	1	
R744		ERJ6GEYJ821	CHIP 1/16W 820	1	
R745		ERJ6GEYJ181	CHIP 1/16W 180	1	
R750		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R772		ERJ6GEYJ102	CHIP 1/16W 1K	1	
R773		ERJ6GEYJ103	CHIP 1/16W 10K	1	
			TRANSFORMER		
T703		EIV5EC021A	TRANSFORMER	1	
T704		EIV5EC020A	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR741		EVN3ACA00B14	VARIABLE 10K	1	
			CRYSTAL OSCILLATORS		
X710		EFCH38MSP31	FILTER	1	
X711		EFCS5M65MW3	FILTER	1	
X712		EFCS5R5MS5B	FILTER	1	
X751		EFCS5R74MS5B	FILTER	1	
			MISCELLANEOUS		
		VSC1788	SHIELD CASE (TOP)	1	
		VSC1789	SHIELD CASE (BOTTOM)	1	
		VSC1888	SHIELD CASE (BOTTOM)	1	
	■	VEP07447A	DECODER PACK C.B.A.		
			CAPACITORS		
C749		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C750		ECQV1H393JZ	MYLAR 50V 0.039U	1	
C753		ECQB1H103KH	MYLAR 50V 0.01U	1	
C754		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C755		ECUM1H270JPN	CHIP 50V 27P	1	
C756		ECUX1H120JCN	CHIP 50V 12P	1	
C758		ECQB1H103KH	MYLAR 50V 0.01U	1	
C760		ECUX1H390JPN	CHIP 50V 39P	1	
C761		ECUX1H120JCN	CHIP 50V 12P	1	
C762		ECQV1H393JZ	MYLAR 50V 0.039U	1	
C763		ECQB1H182JH	MYLAR 50V 1800P	1	
C7312		ECQV1H224JZ	MYLAR 50V 0.22U	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7314		ECQV1H224JZ	MYLAR 50V 0.22U	1	
C7316		ECQV1H224JZ	MYLAR 50V 0.22U	1	
C7331		ECQV1H474JZ	MYLAR 50V 0.47U	1	
			DIODES		
D712		MA28W	DIODE	1	
			INTEGRATED CIRCUITS		
IC751		AN5215	IC	1	
IC752		AN5215	IC	1	
IC753		UPD4066BC	IC	1	
			TRANSISTORS		
Q713		2SD1328	TRANSISTOR CHIP	1	(S,T)
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR714		UN2214	TRANSISTOR-RESISTOR	1	
QR715		UN2214	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R756		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R757		ERJ6GEYJ182	CHIP 1/16W 1.8K	1	
R758		ERJ6GEYJ472	CHIP 1/16W 4.7K	1	
R759		ERJ6GEYJ472	CHIP 1/16W 4.7K	1	
R760		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R761		ERJ6GEYJ102	CHIP 1/16W 1K	1	
R762		ERJ6GEYJ471	CHIP 1/16W 470	1	
R763		ERJ6GEYJ471	CHIP 1/16W 470	1	
R764		ERJ6GEYJ222	CHIP 1/16W 2.2K	1	
R766		ERJ6GEYJ103	CHIP 1/16W 10K	1	
			TRANSFORMER		
T752		EIS5EC007A	TRANSFORMER	1	
T753		EIS5EC007A	TRANSFORMER	1	
			VARIABLE RESISTORS		
VR751		EVN38CA00B14	VARIABLE 10K	1	
VR752		EVN38CA00B14	VARIABLE 10K	1	
			CRYSTAL OSCILLATOR		
X715		EFCA6R5MB3	CRYSTAL OSCILLATOR	1	
	■	VEP07446A	TUNER/ARU PACK C.B.A.		
			CAPACITORS		
C701		ECEA1CKS220	ELECTROLYTIC 16V 22U	1	
C702		ECEA1CK220	ELECTROLYTIC 16V 22U	1	
C703		ECEA1HK2R2	ELECTROLYTIC 50V 2.2U	1	
C705		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C707		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C708		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C709		ECKF1H1032F	CERAMIC 50V 0.001U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C710		ECUX1H1032F	CHIP 50V 0.01U	1	
C728		ECUX1H1032F	CHIP 50V 0.01U	1	
C730		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C748		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C764		ECQV1H823JZ	MYLAR 50V 0.082U	1	
C765		ECEA1CK470	ELECTROLYTIC 16V 47U	1	
C766		ECUX1H1032F	CHIP 50V 0.01U	1	
C768		ECUX1H1032F	CHIP 50V 0.01U	1	
C7651		ECEA1CK100	ELECTROLYTIC 16V 10U	1	
C7652		ECEA1CKN330	ELECTROLYTIC 16V 33U	1	
C7653		ECQB1H392JH	MYLAR 50V 3900P	1	
C7654		ECQB1H103JH	MYLAR 50V 0.01U	1	
C7655		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7656		ECEA1HK010	ELECTROLYTIC 50V 1U	1	
C7657		ECKF1H103ZF	CERAMIC 50V 0.01U	1	
C7658		ECQP1562JZ	MYLAR 100V 5600P	1	
C7659		ECQB1H272JH	MYLAR 50V 2700P	1	
			DIODES		
D710		MA3100L	DIODE	1	
			INTEGRATED CIRCUITS		
IC7651		AN5421	IC	1	
			COILS		
L701		VLQEL05F680K	COIL 68UH	1	
L702		VLQEL05F680K	COIL 68UH	1	
L703		VLQEL05F221K	COIL 220UH	1	
L704		VLQEL05F221K	COIL 220UH	1	
L705		VLQEL05F680K	COIL 68UH	1	
L711		ELQTR47KB	COIL	1	
			TRANSISTORS		
Q703		2SD601	TRANSISTOR	1	(S,T)
Q712		2SC1317	TRANSISTOR	1	
Q715		2SD601	TRANSISTOR CHIP	1	
			COMBINATION PARTS		
			(TRANSISTOR & RESISTORS)		
QR701		UN2214	TRANSISTOR-RESISTOR	1	
QR711		UN2212	TRANSISTOR-RESISTOR	1	
QR712		UN2212	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R707		ERDS2TJ102	CARBON 1/4W 1K	1	
R708		ERDS2TJ221	CARBON 1/4W 220	1	
R713		ERJ6GEYJ681	CHIP 1/16W 680	1	
R721		ERJ6GEYJ392	CHIP 1/16W 3.9K	1	
R722		ERJ6GEYJ392	CHIP 1/16W 3.9K	1	
R723		ERJ6GEYJ183	CHIP 1/16W 180K	1	
R728		ERDS2TJ471	CARBON 1/4W 470	1	
R746		ERDS2TJ181	CARBON 1/4W 180	1	
R765		ERJ6GEYJ152	CHIP 1/16W 1.5K	1	
R767		ERJ6GEYJ750	CHIP 1/16W 75	1	
R791		ERJ6GEY0R00		1	
R7651		ERJ6GEYJ103	CHIP 1/16W 10K	1	
R7654		ERJ6GEYJ562	CHIP 1/16W 5.6K	1	
R7655		ERJ6GEYJ472	CHIP 1/16W 4.7K	1	
R7656		ERJ6GEYJ151	CHIP 1/16W 150	1	
R7657		ERDS2TJ104	CARBON 1/4W 100K	1	
R7658		ERDS2TJ393	CARBON 1/4W 39K	1	
R7659		ERDS2TJ822	CARBON 1/4W 8.2K	1	
R7661		ERDS2TJ562	CARBON 1/4W 5.6K	1	

To guarantee the FUNCTION,SAFETY and RELIABLITY of repaired units,only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			CONNECTORS		
P1504		VJP1939	CONNECTOR (MALE) 12P	1	
P1505		VJP1242T	CONNECTOR (MALE) 2P	1	
			RESISTORS		
R1501		ERDS2TJ223	CARBON 1/4W 22K	1	
	■	VEPOOH31A	REEL SENSOR C.B.A.		
			PHOTO TRANSISTOR		
			INTEGRATED CIRCUITS		
IC1501		ON2170		1	
			CONNECTOR		
			CONNECTORS		
P1506		VJP1242	2P	1	
	■	VXA2689	LED C.B.A. UNIT		
			DIODES		
D1501		GL450	PHOTO DIODE	1	
			MISELLANEOUS		
		VMD0911	LED HOLDER	1	
		VWJ0254	FLEXISIBLE C.B	1	
	■	VEPOOK27A	TAKEUP PHOTO Tr C.B.A.		
			CAPACITORS		
C1502		ECKW1H102KBN	CERAMIC 50V 1000P	1	
			RESISTORS		
R1503		ERDS2TJ222	CARBON 1/4W 2.2K	1	
			CONNECTORS		
P1503		VJS1936		1	
P1508		VJP1242T		1	
			TRANSISTOR		
Q1502		PN150NV	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TR HOLDER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEPOOH35A	SUPPLY PHOTO Tr C.B.A.		
			CAPACITOR		
C1501		ECKW1H102KBN	CERAMIC 50V 1000P	1	
			TRANSISTOR		
Q1501		PN150NV	PHOTO TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO TR HOLDER	1	

To guarantee the FUNCTION, SAFETY and RELIABLITY of repaired units, only use ORIGINAL REPLACEMENT PARTS which are listed with their part numbers in this parts list section.

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Order No. VRD8712S193

Service Manual

Supplement

Effective from: First Production

Video Product

Model No. NV-G21EE
NV-H65EE

Subject: Addition of Mechanical Parts List

Please use this manual together with the Service Manual for Order No. VRD8710M159
Model No. NV-G21EE/H65EE

The following Parts List must be attached to the Service Manual for NV-G21EE/H65EE (VRD8710M159) refering exploded views on related Service Manual NV-G21EG/B/EO/EV (VRD8701104) and NV-H65EG/B/EO/EV (VRD8610143).

1. NV-G21EE Mechanical Replacement Parts List.

Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1(1)		VHD0268	HEAD AMP SET SCREW	3	
2(1)		VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)		VMA6898	HEAD AMP MOUNT ANGLE (R)	1	
4(1)		VEK2361	DEW SENSOR UNIT	1	
5(1)		VXA2702	EARTH PLATE UNIT	1	
6(1)		VEG0595	CYLINDER UNIT	1	<!>
7(1)		VEH0343	UPPER CYLINDER UNIT	1	
9(1)		VXA2703	MAIN HOLDER UNIT	1	
10(1)		VSC1806	CYLINDER C.B.A SHIELD PLATE	1	
11(1)		VXL1495	TENSION ARM (1) UNIT	1	
12(1)		VMB1563	TENSION SPRING	1	
13(1)		VXZ0225	TENSION BAND UNIT	1	
14(1)		VXR0145	SUPPLY REEL TABLE UNIT	1	
15(1)		VMX1171	REEL WASHER	2	
16(1)		VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)		VBS0038	FE HEAD	1	
18(1)		VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)		VMA6895	MOUNT ANGLE (L)	1	
20(1)		VMX1079	CUT WASHER	5	
21(1)		VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)		VMB1582	TENSION RELEASE SPRING	1	
23(1)		VES0350	SAFETY SW	1	
24(1)		VXZ0229	SUPPLY MAIN BRAKE UNIT	1	
25(1)		VXZ0228	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)		VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)		VXZ0231	TAKE UP MAIN BRAKE UNIT	1	
28(1)		VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)		VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)		VMA6896	MOUNT ANGLE (R)	1	
31(1)		VHD0322	ADJUST SCREW	1	
32(1)		VMB1251	ADJUST SPRING	1	
33(1)		VHD0089B	AZIMUTH ADJUST SCREW	1	
34(1)		VBR0125	A/C HEAD	1	
35(1)		VHN0063	M4 NYLON NUT	1	
36(1)		VHN0050	ADJUST NUT	1	
37(1)		VXA2675	HEAD BASE UNIT	1	
38(1)		VMB1567	A/C HEAD SPRING	1	
39(1)		VXL1480	SUB LOADING ARM (1) UNIT	1	
40(1)		VMB1566	SUB POST SPRING	1	
41(1)		VXQ0006	THRUST SCREW UNIT	1	
42(1)		VHD0317	HOUSING SCREW	3	
43(1)		VMX1033	OIL SEAL	2	
44(1)		VMX1353	PINCH CAM CAP	1	
45(1)		VXL1743	PRESSURE ROLLER UNIT	1	
46(1)		VMB1568	PIN PRESSURE SPRING	1	
47(1)		VML1873	PINCH PRESSURE ARM	1	
48(1)		VMB1569	PINCH PRESSURE ARM RELEASE SPRING	1	
49(1)		VML1874	PINCH LIFT ARM	1	
50(1)		VDG0357	P5 PULL OUT SECTOR GEAR	1	
51(1)		VDG0421	PINCH CAM	1	
52(1)		VHN0023	M3 NYLON NUT	1	
53(1)		VXL1485	P5 UNIT	1	
54(1)		VMB1554	P5 SPRING	1	
55(1)		VSS0175A	MODE SW	1	
56(1)		VSC1851	SHIELD PLATE	1	
57(1)		VXP0863	ROLLER POST UNIT	1	
58(1)		VXA2729	INCLIND BASE (S)(1)UNIT	1	
59(1)		VHD0133	ROLLER POST SCREW	2	
60(1)		VMD0910	POST STOPPER	2	
61(1)		VXP0764A	ROLLER POST UNIT	1	
62(1)		VXA2686	INCLIND BASE(T)(1)UNIT	1	
63(1)		VXA2687	INCLIND ADJUST PLATE UNIT	1	
64(1)		VDG0483	PINCH SPEED DOWN GEAR	1	
65(1)		VDG0332	CONNECTION GEAR	1	
66(1)		VXA2693	SOLENOID	1	
67(1)		VXA2692	KICK ROD UNIT	1	

National/Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

Printed in Japan

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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
68(1)		VML1849	SOLENOID LEVER (1) UNIT	1	
69(1)		VMB1553	KICK ROD SPRING	1	
70(1)		VMB1565	MAIN BRAKE SPRING	1	
71(1)		VXR0146	TAKE UP REEL TABLE UNIT	1	
72(1)		VXD0101	HOUSING UNIT	1	
73(1)		VHD0342	CYLINDER UNIT MOUNT SCREW	3	
74(1)		VSC1843	HEAT SINK PLATE	1	
100(2)		VMX1079	CUT WASHER	8	
101(2)		VMB1583	TAKE UP SOFT BRAKE RELEASE	1	
			ARM SPRING		
102(2)		VMB1560	MAIN LEVER SPRING	1	
103(2)		VXA2701	MAIN LEVER (1) UNIT	1	
104(2)		VMM0160	SUB LEVER	1	
105(2)		VXL1500	SS BRAKE ARM UNIT	1	
106(2)		VMB1588	SS BRAKE SPRING	1	
107(2)		VXA2707	SS BRAKE BASE (1) UNIT	1	
108(2)		VXA2674	TENSION ROLLER UNIT	1	
109(2)		VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)		VML1861	DETENT ARM	1	
111(2)		VDG0346	MAIN CAM GEAR	1	
112(2)		VDG0343	SUB CAM GEAR	1	
113(2)		VDG0348	CENTRE GEAR	1	
114(2)		VDG0422	RETAINER GEAR	1	
115(2)		VDG0345	PLANET GEAR	2	
116(2)		VDG0448	CLUTCH DISK	1	
117(2)		VMB1558	CLUTCH SPRING	1	
118(2)		VDG0350	LOCK SLIDE GEAR	1	
119(2)		VDG0335	DRIVE DISK	1	
120(2)		VDG0342	RING GEAR	1	
121(2)		VMX0967	CUT WASHER	2	
122(2)		VML1859	CHANGE LEVER	1	
123(2)		VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)		VMB1557	RELEASE SPRING	1	
125(2)		VML1860	RELEASE LEVER	1	
127(2)		VXP0923	TAKE UP REEL GEAR UNIT	1	
128(2)		VDG0445	SUPPLY REEL GEAR	1	
129(2)		VML1858	RETURN LEVER (R)	1	
130(2)		VML1857	RETURN LEVER (L)	1	
131(2)		VMD0913	STOPPER BASE	1	
132(2)		VDV0169	TIMING BELT	1	
133(2)		VXP0777	ROTOR UNIT	1	
134(2)		VMA6998	ROTOR STOPPER	1	
135(2)		VEK2944	STATOR UNIT	1	<!>
136(2)		VMA6847	SUB PLATE	1	
137(2)		VXP0917	CENTRE PULLEY UNIT	1	
138(2)		VDG0340	LOADING GEAR (T)	1	
139(2)		VMB1555	LOADING SPRING	2	
140(2)		VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)		VXA3144	SECTOR GEAR UNIT	1	
142(2)		VDG0448	LOADING CAM GEAR	1	
143(2)		VDG0339	LOADING GEAR (S)	1	
144(2)		VML1855	PLAY CONTROL ARM	1	
145(2)		VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)		VDG0336	INTERMEDIATE GEAR	1	
147(2)		VXL1490	PLAY ARM UNIT	1	
148(2)		VBK0048	FG HEAD	1	
201(3)		VMA7223	TOP PLATE	1	
202(3)		VXA2679	CASSETTE HOLDER UNIT	1	
203(3)		VMB1573	MOUNT LEVER SPRING	1	
204(3)		VMD0919	HOLDER GUIDE (L)	1	
205(3)		VMM0163	MOUNT LEVER	1	
206(3)		VDP1077	ROLLER	2	
207(3)		VML1883	PRESSURE LEVER (L)	1	
208(3)		VMA6902	HOLDER ANGLE	1	
209(3)		VMA6901	CASSETTE HOLDER	1	
210(3)		VML1882	OPENER LEVER	1	
211(3)		VML1884	PRESSURE LEVER (R)	1	
212(3)		VMB1584	OPENER LEVER SPRING	1	
213(3)		VMD0920	HOLDER GUIDE (R)	1	
214(3)		VMB1576	RELEASE SPRING	1	
215(3)		VML1881	RELEASE LEVER	1	
216(3)		VXA2676	SIDE PLATE (L) UNIT	1	
217(3)		VMD0917	SIDE PLATE (L)	1	
218(3)		VML1880	OPENER LEVER	1	
219(3)		VXA3015	SIDE PLATE (R) UNIT	1	
220(3)		VMD0918	SIDE PLATE (R)	1	
221(3)		VSS0176	SLIDE SW	1	
222(3)		VML1886	DOWN SUPPORT LEVER	1	
223(3)		VMB1575	DOWN SUPPORT SPRING	1	
224(3)		VXA3148	RACK (A)(1) UNIT	1	
225(3)		VMB1778	CLUTCH SPRING	1	
226(3)		VMB1772	LOCK SPRING	1	
227(3)		VML1885	LOCK LEVER	1	
228(3)		VXA3147	RACK (B) UNIT	1	
229(3)		VXP0851	MAIN SHAFT UNIT	1	
230(3)		VMB1570	SUB WIPER SPRING (L)	1	
231(3)		VML1878	SUB WIPER ARM	1	
232(3)		VML1879	SUB WIPER ARM (R)	1	
233(3)		VMB1571	SUB WIPER SPRING (R)	1	
234(3)		VMA6900	CASSETTE GUIDE	1	
235(3)		VKF0848	BLINDER PANEL	1	
236(3)		VMB1258	BLINDER SPRING	1	
237(3)		VMB1780	RACK (C) SPRING	1	
238(3)		VMA7237	CONNECTION ROD	1	
239(3)		VMB1779	CONNECTION ROD	1	
240(3)		VMA7224	CASSETTE HOLDER ANGLE	1	
300(4)		VYP1895	TOP PANEL UNIT	1	
301(4)		VHD0304	TOP PANEL SCREW	2	
302(4)		VYP1803	FRONT LOWER PANNEL	1	
303(4)		VMG0272	RF CONVERTER BUSHING	1	
305(4)		VGQ1160	C.B. HOLDER	1	
306(4)		VGQ1084	HOLDER (A)	1	
307(4)		VGQ1085	HOLDER (B)	1	
308(4)		VGQ1086	HOLDER (C)	1	
313(4)		VGH1127	POWER NAME PLATE	1	
314(4)		VSC1827	SHIELD CASE (L)	1	
315(4)		VMZ0916	BARRIER (B)	1	<!>
316(4)		VMZ0902	BARRIER (A)	1	<!>
317(4)		VMZ0948	BARRIER (E)	1	<!>
318(4)		VSC1830	HEAT SINK	1	
319(4)		VSC1924	SHIELD CASE MAIN	1	
320(4)		VMZ0876	INSULATION SHEET	2	<!>
321(4)		VGQ1109	TR. HOLDER	1	
322(4)		VMZ0917	BARRIER (C)	1	<!>
323(4)		VMZ0918	BARRIER (D)	1	<!>
324(4)		VSC1829	SHIELD CASE (R)	1	
326(4)		VMP1038	TOP HOLDER ANGLE (R)	1	
327(4)		VMP1037	TOP HOLDER ANGLE (L)	1	
328(4)		VKA0026	RUBBER FOOT	2	
329(4)		VJF0285	WIRE SUDDLE	2	
334(4)		VYP2185	FRONT PANEL UNIT	1	
335(4)		VYF1035	FRONT DOOR UNIT	1	
336(4)		VKU0245	BOTTOM PLATE	1	
337(4)		VHD0059	BOTTOM SCREW	5	
338(4)		VHD0268	SCREW	2	
339(4)		VMZ1005	BARRIER	1	
400(5)		VQT2528	OPERATING INSTRUCTIONS	1	(ENGLISH,GARMAN,
					FRENCH) <!>
400(5)		VQT2529	OPERATING INSTRUCTIONS	1	(RUSSIAN,POLISH)<!>
401(5)		VJA0376	DIN RF CABLE	1	
403(5)		VEQ0539	REMOTE CONTROL UNIT	1	
404(5)		VPN1709	CUSHION (R)	1	
405(5)		VPN1710	CUSHION (L)	1	
406(5)		VPG3830	PACKING CASE	1	
408(5)		VJA0449	AC CORD	1	<!>
409(5)		VEQ0639	DIGITAL SCANNER	1	
410(5)		VQC1124	PROGRAMME SHEET	1	
411(5)		VQT2538	OPERATING INSTRUCTIONS	1	<!>
			(DIGITAL SCANNER)		
412(5)		VPK0688	ACCESSORIES PACKING CASE	1	
413(5)		VPN1822	ACCESSORIES CUSHION	1	
450(6)		VYK1596	TOP CASE UNIT	1	
451(6)		VKM0843	BOTTOM CASE	1	
452(6)		VKF0824	BATTERY COVER	1	
453(6)		VKW0758	IR WINDOW	1	
454(6)		VSP0267	RUBBER CONTACT	1	
455(6)		VGU3406	POWER BUTTON	1	
456(6)		VGU3407	REC BUTTON (RED)	1	
457(6)		VGU3408	REC BUTTON (BLACK)	1	
458(6)		VGU3403	STILL BUTTON	1	
459(6)		VGU3410	STOP BUTTON	1	
460(6)		VGU3404	STILL ADV BUTTON	1	
461(6)		VGU3412	REW BUTTON	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
462(6)		VGU3409	PLAY BUTTON	1	
463(6)		VGU3411	FF BUTTON	1	
464(6)		VJR0229	ELECTRODE (COMMON)	1	
465(6)		VGU2274	CH BUTTON	4	
466(6)		VGU3628	TIMER REC BUTTON	1	
470(7)		VYK1886	CASE (A) UNIT	1	
470(7)		VYK1810	CASE (B) UNIT	1	
471(7)		VGU4040	TRANSM1SSON BUTTON	1	
472(7)		VGU3709	POWER SW KNOB	1	
473(7)		VJR0395	ELECTRODE (A)	1	
474(7)		VJR0396	ELECTRODE (B)	1	
475(7)		VJR0272	ELECTRODE (C)	1	
476(7)		VKF0900	BATTERY COVER	1	
477(7)		VMB1691	SUPPRT ANGLE	1	
478(7)		VKW0772	SMOKE FILTER	1	
479(7)		VSQ0567	SENSOR UNIT	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			JIG		
		VFJ8125H3F	VHS-ALIGNMENT TAPE(PAL)	1	
		VFK0335	RETAINING RING REMOVER	1	
			(3mm/4mm)		
		VFK0387	TENSION POST ADJUSTMENT	1	
			PLATE		
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0328	H-POSITION ADJ.	1	
			SCREWDRIVER		
		VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
		VFK62	FAN TYPE TENSION GAUGE	1	
		VFK0326	HEX WRENCH SET	1	
		VFK0132	BACK TENSION METER	1	
		VFK0343	CHECK LIGHT	1	
		VFK0344	HEIGHT ADJUSTMENT JIG	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0283	SERVICE ALIGNMENT TOOL KIT	1	
		VFK0341	UPPER CYLINDER REMOVER	1	

2. NV-H65EE Mechanical Replacement Parts List.

Note:1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1(1)		VHD0141	HEAD AMP SET SCREW	2	
2(1)		VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)		VMA6898	HEAD AMP MOUNT ANGLE (R)	1	
5(1)		VXA2702	EARTH PLATE UNIT	1	
6(1)		VEG0557	CYLINDER UNIT	1	<!>
7(1)		VEH0339	UPPER CYLINDER UNIT	1	
9(1)		VMA6884	MAIN HOLDER UNIT	1	
10(1)		VSC2188	CYLINDER C.B.A SHIELD PLATE	1	
11(1)		VXL1495	TENSION ARM (1) UNIT	1	
12(1)		VMB1563	TENSION SPRING	1	
13(1)		VXZ0225	TENSION BAND UNIT	1	
14(1)		VXR0145	SUPPLY REEL TABLE UNIT	1	
15(1)		VMX1171	REEL WASHER	2	
16(1)		VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)		VBS0038	FE HEAD	1	
18(1)		VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)		VMA6895	MOUNT ANGLE (L)	1	
20(1)		VMX1079	CUT WASHER	5	
21(1)		VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)		VMB1582	TENSION RELEASE SPRING	1	
23(1)		VES0350	SAFETY SW	1	
24(1)		VXZ0229	SUPPLY MAIN BRAKE UNIT	1	
25(1)		VXZ0228	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)		VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)		VXZ0231	TAKE UP MAIN BRAKE UNIT	1	
28(1)		VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)		VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)		VMA6896	MOUNT ANGLE (R)	1	
31(1)		VHD0322	ADJUST SCREW	1	
32(1)		VMB1251	ADJUST SPRING	1	
33(1)		VHD0089B	AZIMUTH ADJUST SCREW	1	
34(1)		VBR0125	A/C HEAD	1	
35(1)		VHN0063	M4 NYLON NUT	1	
36(1)		VHN0050	ADJUST NUT	1	
37(1)		VXA2675	HEAD BASE UNIT	1	
38(1)		VMB1567	A/C HEAD SPRING	1	
39(1)		VXL1480	SUB LOADING ARM (1) UNIT	1	
40(1)		VMB1566	SUB POST SPRING	1	
41(1)		VXQ0006	THRUST SCREW UNIT	1	
42(1)		VHD0317	HOUSING SCREW	3	
43(1)		VMX1033	OIL SEAL	2	
44(1)		VMX1353	PINCH CAM CAP	1	
45(1)		VXL1743	PRESSURE ROLLER UNIT	1	
46(1)		VMB1568	PIN PRESSURE SPRING	1	
47(1)		VML1873	PINCH PRESSURE ARM	1	
48(1)		VMB1569	PINCH PRESSURE ARM RELEASE	1	
			SPRING		
49(1)		VML1874	PINCH LIFT ARM	1	
50(1)		VDG0357	P5 PULL OUT SECTOR GEAR	1	
51(1)		VDG0421	PINCH CAM	1	
52(1)		VHN0023	M3 NYLON NUT	1	
53(1)		VXL1485	P5 UNIT	1	
54(1)		VMB1554	P5 SPRING	1	
55(1)		VSS0175	MODE SW	1	
56(1)		VSC1851	SHIELD PLATE	1	
57(1)		VXP0863	ROLLER POST UNIT	1	
58(1)		VXA2729	INCLIND BASE (S)(1)UNIT	1	
59(1)		VHD0133	ROLLER POST SCREW	2	
60(1)		VMD0910	POST STOPPER	2	
61(1)		VXP0764A	ROLLER POST UNIT	1	
62(1)		VXA2686	INCLIND BASE(T)(1)UNIT	1	
63(1)		VXA2687	INCLIND ADJUST PLATE UNIT	1	
64(1)		VDG0483	PINCH SPEED DOWN GEAR	1	
65(1)		VDG0332	CONNECTION GEAR	1	
66(1)		VXA2693	SOLENOID	1	
67(1)		VXA2692	KICK ROD UNIT	1	
68(1)		VML1849	SOLENOID LEVER (1) UNIT	1	
69(1)		VMB1553	KICK ROD SPRING	1	
70(1)		VMB1565	MAIN BRAKE SPRING	1	
71(1)		VXR0146	TAKE UP REEL TABLE UNIT	1	
72(1)		VXD0101	HOUSING UNIT	1	
73(1)		VHD0342	CYLINDER MOUNT SCREW	3	
74(1)		VSC1843	HEAT SINK PLATE	1	
100(2)		VMX1079	CUT WASHER	8	
101(2)		VMB1583	TAKE UP SOFT BRAKE RELEASE	1	
			ARM SPRING		
102(2)		VMB1560	MAIN LEVER SPRING	1	
103(2)		VXA2701	MAIN LEVER (1) UNIT	1	
104(2)		VMM0160	SUB LEVER	1	
105(2)		VXL1500	SS BRAKE ARM UNIT	1	
106(2)		VMB1588	SS BRAKE SPRING	1	
107(2)		VXA2707	SS BRAKE BASE (1) UNIT	1	
108(2)		VXA2674	TENSION ROLLER UNIT	1	
109(2)		VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)		VML1861	DETENT ARM	1	
111(2)		VDG0346	MAIN CAM GEAR	1	
112(2)		VDG0343	SUB CAM GEAR	1	
113(2)		VDG0348	CENTRE GEAR	1	
114(2)		VDG0422	RETAINER GEAR	1	
115(2)		VDG0345	PLANET GEAR	3	
116(2)		VDG0349	CLUTCH DISK	1	
117(2)		VMB1558	CLUTCH SPRING	1	
118(2)		VDG0350	LOCK SLIDE GEAR	1	
119(2)		VDG0335	DRIVE DISK	1	
120(2)		VDG0342	RING GEAR	1	
121(2)		VMX0967	CUT WASHER	2	
122(2)		VML1859	CHANGE LEVER	1	
123(2)		VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)		VMB1557	RELEASE SPRING	1	
125(2)		VML1860	RELEASE LEVER	1	
127(2)		VXP0923	TAKE UP REEL GEAR UNIT	1	
128(2)		VDG0445	SUPPLY REEL GEAR	1	
129(2)		VML1858	RETURN LEVER (R)	1	

ef.No.		Part No.	Part Name & Description	Pcs	Remarks
30(2)		VML1857	RETURN LEVER (L)	1	
31(2)		VMD0913	STOPPER BASE	1	
32(2)		VDV0169	TIMING BELT	1	
33(2)		VXP0777	ROTOR UNIT	1	
34(2)		VMA6998	ROTOR STOPPER	1	
35(2)		VEK2944	STATOR UNIT	1	<!>
36(2)		VMA6847	SUB PLATE	1	
37(2)		VXP0917	CENTRE PULLEY UNIT	1	
38(2)		VDG0420	LOADING GEAR (T)	1	
39(2)		VMB1555	LOADING SPRING (T)	1	
40(2)		VXL1489	LOADING ARM (T)(1) UNIT	1	
41(2)		VXA3144	SECTOR GEAR UNIT	1	
42(2)		VDG0448	LOADING CAM GEAR	1	
43(2)		VDG0419	LOADING GEAR (S)	1	
44(2)		VML1855	PLAY CONTROL ARM	1	
45(2)		VXL1487	LOADING ARM (S)(1) UNIT	1	
46(2)		VDG0336	INTERMEDIATE GEAR	1	
47(2)		VXL1490	PLAY ARM UNIT	1	
48(2)		VBK0048	FG HEAD	1	
49(2)		VMB1746	LOADING SPRING(S)	1	
01(3)		VMA7223	TOP PLATE	1	
02(3)		VXA2679	CASSETTE HOLDER UNIT	1	
03(3)		VMB1573	MOUNT LEVER SPRING	1	
04(3)		VMD0919	HOLDER GUIDE (L)	1	
05(3)		VMM0163	MOUNT LEVER	1	
06(3)		VDP1077	ROLLER	2	
07(3)		VML1883	PRESSURE LEVER (L)	1	
08(3)		VMA6902	HOLDER ANGLE	1	
09(3)		VMA6901	CASSETTE HOLDER	1	
10(3)		VML1882	OPENER LEVER	1	
11(3)		VML1884	PRESSURE LEVER (R)	1	
12(3)		VMB1584	OPENER LEVER SPRING	1	
13(3)		VMD0920	HOLDER GUIDE (R)	1	
14(3)		VMB1576	RELEASE SPRING	1	
15(3)		VML1881	RELEASE LEVER	1	
216(3)		VXA2676	SIDE PLATE (L) UNIT	1	
217(3)		VMD0917	SIDE PLATE (L)	1	
218(3)		VML1880	OPENER LEVER	1	
219(3)		VXA3015	SIDE PLATE (R) UNIT	1	
220(3)		VMD0918	SIDE PLATE (R)	1	
221(3)		VSS0176	SLIDE SW	1	
222(3)		VML1886	DOWN SUPPORT LEVER	1	
223(3)		VMB1575	DOWN SUPPORT SPRING	1	
224(3)		VXA3148	RACK (A)(1) UNIT	1	
225(3)		VMB1778	CLUTCH SPRING	1	
226(3)		VMB1772	LOCK SPRING	1	
227(3)		VML1885	LOCK LEVER	1	
228(3)		VXA3147	RACK (B) UNIT	1	
229(3)		VXP0771	MAIN SHAFT UNIT	1	
230(3)		VMB1570	SUB WIPER SPRING (L)	1	
231(3)		VML1878	SUB WIPER ARM	1	
232(3)		VML1879	SUB WIPER ARM (R)	1	
233(3)		VMB1571	SUB WIPER SPRING (R)	1	
234(3)		VMA6900	CASSETTE GUIDE	1	
235(3)		VKF0848	BLINDER PANEL	1	
236(3)		VMB1258	BLINDER SPRING	1	
237(3)		VMB1780	RACK (C) SPRING	1	
238(3)		VMA7237	CONNECTION ROD	1	
239(3)		VMB1779	CONNECTION ROD SPRING	1	
240(3)		VMA7224	CASSETTE HOLDER ANGLE	1	
300(4)		VYP1814	TOP PANEL UNIT	1	
301(4)		VHD0304	TOP PANEL SCREW	4	
302(4)		VHD0268	C.B. MOUNT SCREW	1	
303(4)		VMP1059	C.B. ANGLE	1	
304(4)		VMG0272	RF CONVERTER BUSHING	1	
305(4)		VJH0418	RF & ANT BOARD	1	
307(4)		VKC0083	HINGE CLIP	1	
308(4)		VJF0236	C.B. SUPPORTER	4	
309(4)		VMX0985	C.B. SPACER	1	
313(4)		VGH1127	POWER NAME PLATE	1	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
314(4)		VSC2178	SHIELD CASE (L)	1	
315(4)		VMZ1083	BARRIER (A)	1	<!>
316(4)		VMZ1084	BARRIER (B)	1	<!>
318(4)		VSC1933	HEAT SINSK	1	
319(4)		VSC1924	SHIELD CASE MAIN	1	
320(4)		VMZ1089	INSULATION SHEET	1	<!>
321(4)		VGQ1352	TR. HOLDER	1	
322(4)		VMZ1085	BARRIER (C)	1	<!>
323(4)		VMZ1086	BARRIER (D)	1	<!>
324(4)		VSC1829	SHIELD CASE (R)	1	
326(4)		VMP1127	TOP HOLDER ANGLE	1	
327(4)		VMP1037	TOP HOLDER ANGLE (L)	3	
328(4)		VKA0026	RUBBER FOOT	2	
329(4)		VJF0442	WIRE SUDLE	4	
330(4)		VYP1762	SUPPORT PANEL (L) UNIT	1	
331(4)		VYP2104	FRONT PANEL UNIT	1	
332(4)		VYP1813	SUPPORT PANEL (R) UNIT	1	
338(4)		VYF0963	FRONT DOOR UNIT	1	
339(4)		VMP1058	FRAME ANGLE	1	
343(4)		VKU0246	BOTTOM PLATE	1	
344(4)		VHD0059	BOTTOM SCREW	8	
400(5)		VQT2493	OPERATING INSTRUCTIONS	1	(ENGLISH/GERMAN/
					FRENCH)<!>
400(5)		VQT2494	OPERATING INSTRUCTIONS	1	(RUSSIAN,POLISH)<!>
401(5)		VJA0376	DIN RF CABLE	1	
402(5)		VJA0231	AUDIO CABLE	2	
403(5)		VEQ0499	REMOTE CONTROL UNIT	1	
404(5)		VPN1693	CUSHION (L)	1	
405(5)		VPN1694	CUSHION (R)	1	
406(5)		VPG3782	PACKING CASE	1	
407(5)		VJA0449	AC CORD	1	<!>
412(5)		VPN1822	ACCESSORIES CUSHION	1	
414(5)		VPK0688	ACCESSORIES PACKING CASE	1	
450(6)		VYK1441	TOP CASE UNIT	1	
451(6)		VKM0843	BOTTOM CASE	1	
452(6)		VYF0824	BATTERY COVER	1	
453(6)		VKW0758	IR WINDOW	1	
454(6)		VSP0247	RUBBER CONTACT	1	
455(6)		VGU3406	POWER BUTTON	1	
456(6)		VGU3407	REC BUTTON (RED)	1	
457(6)		VGU3408	REC BUTTON (BLACK)	1	
458(6)		VGU3403	STILL BUTTON	1	
459(6)		VGU3410	STOP BUTTON	1	
460(6)		VGU3404	STILL ADV BUTTON	1	
461(6)		VGU3412	REW BUTTON	1	
462(6)		VGU3409	PLAY BUTTON	1	
463(6)		VGU3411	FF BUTTON	1	
464(6)		VJR0229	ELECTRODE (COMMON)	1	
465(6)		VGU2274	CH BUTTON	4	
466(6)		VGU3628	TIMER BUTTON	1	
			JIG		
		VFJ8125H3F	VHS-ALIGNMENT TAPE (PAL)	1	
		VFK0335	RETAINING RING REMOVER	1	
			(3mm/4mm)		
		VFK0387	TENSION POST ADJUSTMENT	1	
			PLATE		
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0328	H-POSITION ADJ.	1	
			SCREWDRIVER		
		VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
		VFK62	FAN TYPE TENSION GAUGE	1	
		VFK0326	HEX WRENCH SET	1	
		VFK0132	BACK TENSION METER	1	
		VFK0343	CHECK LIGHT	1	
		VFK0344	HEIGHT ADJUSTMENT JIG	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0283	SERVICE ALIGNMENT TOOL KIT	1	
		VFK0341	UPPER CYLINDER REMOVER	1	